

# CHEMICAL MARKETS

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### German Chemical Exports More Than U. S.

**Exceed American Foreign Trade by 50 Per Cent—More Than English and French Exports Combined—Ammonium Sulfate and Synthetic Methanol In The Lead—United States Leads In Exports of Naval Stores.**

(Special to CHEMICAL MARKETS)

Washington, Aug. 23.—Germany is now the world's leading chemical exporter, according to figures compiled by the Chemical Division, Department of Commerce. In 1926 the total value of Germany's chemical shipments was approximately \$256,000,000, as compared with \$171,000,000 for the United States, \$125,500,000 for England and \$114,000,000 for France. Germany's chemical exports were therefore 50 per cent. in excess of the United States and more than those of both France and England.

During the past two years the depreciated value of the French currency and economic difficulties, such as the coal strike in England, have had an adverse effect on the chemical trade of the two countries.

"Germany's rapid ascendancy to this high position," the department says, "may be attributed largely to a more extensive world consumption of chemicals in general and the development of a big export business in several commodities particularly ammonium sulfate and synthetic methanol.

"During this five-year period the United States has gained 40 per cent., it is true; yet this rate is much lower than it should be, especially when it is considered that the United States is not only the world's largest producer and consumer but also the world's largest importer of chemicals, and that in 1925 only 7½ per cent. of its total chemical production was exported.

"The United States is the world's most important exporter of naval stores (rosin and turpentine), sulfur and prepared medicines.

"It is also counted as one of the leading factors in the phosphate

rock, toilet preparation, especially dentrifices, and pigment, paint and varnish trades.

"The addition of the nitrogenous fertilizer compounds, particularly ammonium sulphate, to the already established potash industry has placed Germany as the foremost fertilizer exporting nation of the world. Its position as the largest exporter of industrial chemicals and coal-tar products has also been maintained.

"Undoubtedly England leads all other countries of the world as an alkali exporter and is also an important shipper of crude coal tar products, such as tar, pitch, and creosote oil, and some of the fine chemicals, such as prepared medicines and toilet preparations. Somewhat similar to the United States, England also has assumed a prominent position in the dye export trade.

"France, without a doubt, stands out above all other countries as the world's largest exporter of perfumery, perfume materials and essential oils. It is also important as a source for some industrial chemicals and potash and follows the United States as the next largest exporter of naval stores."

Connellsville coke production for week ending Aug. 13 was 65,670 tons, the lowest figure of the year, a decline of 2,460 tons from the preceding week, compares with a decrease of 56,740 tons for the corresponding week last year when 122,410 tons were produced.

Grasselli Dyestuffs Corp. is to erect an addition to its plant at Grasselli, N. J., costing \$200,000.

### SOUTHERN DYESTUFFS

#### ASSETS PURCHASED

Southern Dyestuffs Co. assets have been sold to C. O. North, secretary and treasurer of Rubber Research Laboratories Co., Akron, O., in his capacity as trustee for Elko Chemical Co. which is to be organized soon. Elko Chemical Co. will probably be controlled by Rubber Research Laboratories Co. Properties of the Southern Dyestuffs Co. and Rubber Research Laboratories Co. at Nitro, W. Va. adjoin and are said to be valued at \$750,000. William S. Gray & Co., New York, selling agents for Southern Dyestuffs Co., are to be selling agents for the new company, the line of which will be extended.

### HOPEWELL PLANT PERMIT

City Manager Roy S. Braden, of Hopewell, Va., has issued to the Atmospheric Nitrogen Co. a permit for the construction of the buildings in the plant site area for the large industry. The permit was given to erect, or construct buildings, roads, tracks, etc., for the ammonia plant and products buildings. No estimates were furnished, but to conform to the engineers plans, a blanket permit was given to construct all buildings. Just what was meant by "products" in the permit is not known by any of the city officials. The permit calls for construction at Hopewell of a plant that is estimated to cost \$125,000,000 and the only plant of its kind in the United States.

France and Germany have signed a commercial agreement according to advices from United States commercial attaches at Berlin and Paris. The text is expected to be available soon.

American Aniline Products Co., New York, will erect an addition to its plant at Lock Haven, Pa., costing \$200,000 and providing for greatly increased production.

## Eternal Research

### the price of Survival

THE producer who survives is the producer whose technical men know what is going on in industry and whose executives know how and when to apply their knowledge.

The company which clings to precedent is in constant danger of seeing its business suddenly wiped out by some new development of chemistry.

The chemical and drug industries are so closely interwoven with chemistry that every responsible man in the field will want to keep abreast of the daily progress.

That is why men from the four corners of the earth regularly visit the Exposition of Chemical Industries in New York.

This year the exposition will be bigger and better than ever before. It will be international in character. It will exhibit the world's outstanding achievements in machinery, materials, methods and supplies of vital interest to all industries using chemical processes or the products of chemistry.

That includes your industry. Be sure to come.

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## ELEVENTH EXPOSITION OF CHEMICAL INDUSTRIES

Grand Central Palace, New York, Sept. 26 to Oct. 1, 1927

*Management International Exposition Co.  
Largest industrial exposition organization in the world.*

## Espionage Branded Unfair Competition

**Federal Trade Commission Issues "Cease and Desist" Order Against Seeking Information as to Facilities, Capacities and Deliveries of Competitors Customers.**

Any system of espionage used by a company to obtain information as to facilities, operations or customers of a competitor without its consent, is an unfair practice in competition, the Federal Trade Commission stated on August 19.

This announcement was made in connection with an order to cease and desist, issued against the Philip Carey Manufacturing Co. Lockland, O. The order also prohibits the circulation of misleading statements regarding either the products of a competitor, or the competitor's ability to fill orders and make deliveries.

The Commissioner's statement, including the order, follows:

Use of any system of espionage by a company to obtain information as to facilities, capacities, operations or customers of a competitor without its consent is classed as an unfair practice in competition by the Federal Trade Commission, it is announced in connection with the issuance of an order to cease and desist to the Philip Carey Manufacturing Co., of Lockland, O., manufacturers of expansion joints used in paving.

Circulation of misleading statements regarding the ability of a competitor to fill orders or make deliveries, or concerning the acceptableness or adaptability for the use intended of his product, or with reference to his financial standing, business or business methods, is prohibited also in the commission's order.

The Commission's order to cease and desist is as follows:

It is therefore ordered that respondents, Philip Carey Manufacturing Co. and Philip Carey Co., their officers, agents and employees, cease and desist from directly or indirectly:

1. Employing or using any system of espionage whereby officers, agents

or employees of respondent corporations or either of them, obtain or seek to obtain information as to the facilities, capacities, operations or customers of any competitor.

2. Circulating, representing or publishing or causing to be circulated, represented or published among purchasers or prospective purchasers, any false, deceptive or misleading statement concerning the ability of any competitor to fill orders or make deliveries.

3. Circulating, representing or publishing or causing to be circulated, represented or published among purchasers or prospective purchasers, any false, deceptive or misleading statement of or concerning the acceptableness or adaptability for the use intended of the product of any competitor.

4. Circulating, representing or publishing or causing to be circulated, represented or published among purchasers or prospective purchasers, any false, deceptive or misleading statement concerning the financial standing, the business or business methods of any competitor.

## CALCITE DEPOSIT

Limestone Fertilizer Co., a \$1,500,000 company, with headquarters at Burlington, Iowa, is making preparations to build a huge converter on site of a calcite deposit, sixteen miles north of Burlington, and expects to have the plant in operation late this Fall, producing 300 carloads a week of plant and animal food and foundry materials. The deposit, discovered five years ago but recently developed, is valued at \$50,000,000 to \$75,000,000. John P. Magnusson, chair of science, Augustana college, Rock Island, Ill., is president of the company; John Corey, president of the Bettendorf and Moline Stone Co.s., is vice president; Andrew L. Chezem, Davenport, secretary; and Paul F. Leichat, Louisville, Ohio, treasurer.

July wholesale price index number for chemicals was 117.5 compared with 117.2 for June and 118.3 for July of last year, taking 1913 at 100 per cent according to the Bureau of Labor Statistics.

## NITRATE SITUATION

In addition to constantly increasing competition from synthetic nitrogen, two factors have recently altered the entire outlook for the future of the Chilean nitrate companies, says "Wall Street Journal". They are the new Guggenheim process for the treatment of caliche, recently placed in volume operation by the Guggenheim company, Anglo-Chilean Consolidated Nitrate Corp. and the abrogation of the price-fixing and centralized selling agreements of the Nitrate Producers' Association.

The Guggenheim process, according to a recent announcement by the Chilean Minister at Washington, has reduced extraction costs 50 per cent. It must be remembered that there is no such reduction in cost to shipping point. The \$12.50 per ton tax remains to be added, and though railroad freights have recently been reduced, freight and handling charges are not much less. However, the reduction is sufficient to insure that nitrates extracted by the Guggenheim process can compete profitably with the synthetic product, at present prices for the latter.

The process is the result of a decade of experiment by the Guggenheims, and is said to have been based on experience gained by them in large scale leaching of copper ores in Chile. It was first placed in operation in Anglo-Chilean's Coya Norte plant in November, 1926, was producing at latest reports about 20,000 tons of nitrates monthly, and is scheduled to produce 40,000 tons monthly soon.

The new process was scheduled to extract 90 per cent of the nitrate from the caliche. Results in actual practice were better than had been expected. E. A. Cappelen Smith, president of Anglo-Chilean, stated in the company's latest annual report that "Operations in the new plant, to date of this report (April 29), have resulted in an extraction considerably in excess of 90 per cent from caliche of lower grade than the average of the Coya Norte deposits, producing nitrate of a quality superior to the Chilean average. This extraction has been obtained with a fuel economy better than forecasted."

The Government tax bears heavily on the companies, being a fixed factor in primary costs which no increase in efficiency can lower. It is likely to be reduced at the end of the present nitrate year June 30, 1928. Just recently, in a law proposed by the government for regulation of the industry, it was proposed that a new system of taxation be put into force from July 1, 1928.

## Chemical Markets

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### OIL FROM COAL PLAN

"Standard Oil Co. of New Jersey's agreement with I. G. Farbenindustrie pertains exclusively to patents which Farben is applying to coal and which Standard experimentally proposes to apply to oil," W. C. Teagle, president of the New Jersey company, said in London to a "Wall Street Journal" representative. "Standard of New Jersey is not concerned over the development of coal liquification in America. Our arrangement with Farben is not to finance any process. It is merely a mutual aid in research along the lines indicated. The report is untrue that the agreement relates to tetraethyl or will be exploited in a plant operated jointly with the du Pont interest," Mr. Teagle said.

Asked whether any foreign oil companies were anxious over German ambitions to become self-contained through liquifying coal, he stated: "Standard of New Jersey's oil sales through Deutsche Amerikansche were expanding our German plant at sufficient speed to cope with the demand and are continuing to increase." Regarding claims by Romana Americana, another New Jersey unit, for damages to its properties during the war,

he said: Our claims are not in any way invalidated by the unfavorable British Court decision in claims of another company."

Mr. Teagle said that formation of a separate Delaware shipping company to take over Standard of New Jersey's tankers was aimed at the securing of local business advantages, rather than representing a change in the company's relations with its subsidiaries.

Owing to pressure of business, Mr. Teagle took only a week-end motor trip instead of a fortnight's hunting in Scotland.

Sulfate of ammonia prices have been fixed by the French Comptoir for August and September at 118 and 120 francs per 100 kilos, respectively, which automatically reduces the May-June and July prices to 112 and 115 francs per 100 kilos. The Belgian Comptoir were sellers at 150 in July, rising to 165 francs for the second half of January delivery, but have now withdrawn for later positions, offering July only. Prices for the United Kingdom are for the present maintained at 12:6 s per long ton for neutral quality, and 11:16 s per long ton for ordinary.

### NEW BENZOL PLANT

(Special to CHEMICAL MARKETS)

Hamilton, Ont. Aug. 24—Hamilton By-Products Coke Ovens, Ltd., has contracted with Semet-Solvay Engineering Corp., New York, for immediate construction of a complete plant for the manufacture of motor benzol. The Hamilton coke oven plant recently doubled its capacity, and is carbonizing about 1,000 tons of coal every 24 hours. The coal gas manufactured is consumed in Hamilton and vicinity by domestic and industrial users. The plant will handle under ordinary operation about 3,000 gallons of light oil in 24 hours, although the installation will have a greater capacity to take care of future increase in demand.

The benzol plant, which will represent a total construction cost of approximately \$400,000, will be built almost entirely of Canadian materials and will be erected by Canadian workmen. Design, supervision and field erection will be by the technical experts of Semet-Solvay Engineering Corp.

Production of motor benzol from the oil absorbed out of the gas is an exacting process. The light oil is treated with sulfuric acid and caustic to remove impurities. It is then sent to a boiler still where it is treated with steam and the motor benzol is driven off in the form of vapor. The acid washer to be installed at Hamilton will have a capacity of about 3,000 gallons per charge. The light oil storage tank holding 13,000 gallons the boiler still of 7,000 gallons capacity and two 16,000 gallon storage tanks for benzol will be among the items of construction.

Semet-Solvay Engineering Corp. is building a steel purifier for Public Service Electric and Gas Co. It will be operated with two others now in service. The purifier will be 25 x 32 x 14 feet and contain two compartments, each with two layers of trays for oxide.

Sulfur production in Sicily during 1926 was 208,740 metric tons, an increase of 742 tons over 1925. Exports, however, suffered a decline in 1926 to 214,770 tons as compared with 255,204 tons in 1925. The Sulfur Consortium has eliminated all exporters by creating a subsidiary society to handle the sale of ground and refined sulfur, thus eliminating competition between exporters and enabling producers to obtain a greater share of the profits. The general depression that has been prevalent in this industry for several years continues.

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EBG

# [ Markets & Prices ]

## BRIGHTER MARKET ASPECT WITH HEAVY TONNAGE

Conditions In Entire Line Very Satisfactory—Fall Business Emerging—Alcohol Fair—Copper Sulfate Demand Easing But Still Heavy—All Animal Oils Advanced—Linseed Lower—Cottonseed Higher And Selling Better.

Advanced	
Chinawood Oil $\frac{1}{2}$ c lb	Stearine Oleo $\frac{1}{2}$ c lb
Cottonseed Oil 1.10 lb	Tallow edible $\frac{1}{2}$ c lb
Greases $\frac{1}{2}$ c lb	Tallow Oil $\frac{1}{2}$ c lb
Lard Oil edible prime $\frac{1}{2}$ c lb	Tin Bichloride $\frac{1}{2}$ c lb
Lard Oil extra $\frac{1}{2}$ c lb	Tin Tetrachloride $\frac{1}{2}$ c lb
Neatsfoot Oil $\frac{1}{2}$ c lb	
Declined	
Linseed Oil 0.1c lb	
Tin Stralts 1c lb	
Tin Crystals $\frac{1}{2}$ c lb	

Distribution of heavy chemicals was maintained in heavy volume this week, contract withdrawals were of the usual quantities, while the action shown in the spot market contained more life than in some time. This condition was particularly true among the more stable class of products, such as heavy alkalis and chlorine. The market hardly contains anything outstanding but its general appearance is much brighter than that evidenced for some time. Perhaps, the anticipation of Fall business may be the origin for this attitude.

Formaldehyde and hexamethylenetetramine have not as yet been reduced but doubtlessly will descend soon. The few makers are evidently waiting for each other's action. Alcohol is moving in fair quantities but the larger users are still holding in abeyance. Sodium acetate is subject to shading and some weakness is heard in the market for glaube salts. The demand for copper sulfate has eased off somewhat, enabling producers to cope ably with their commitments. Demand for this commodity has continued surprisingly well for this season, but now a gradual diminution of orders is taking place among the agricultural consumers. Intermediates are unchanged in position and for the most part prices point upwards excepting the methyl alcohol derivatives, in which a decline is expected momentarily. Light oil distillates are also unaltered. Toluene remains tight but will probably be somewhat easier when more ovens re-open this month.

A general advance was effected in animal oils and refiners advise of the not remote probability of another advance next week. This advance is a direct reflection of the high cottonseed oil market. The demand has been increasing rapidly of late and the rise is quite imminent. Local prices for chinawood oil are higher but no change has been felt on the Coast. Following

the recent indications given and the acuteness of the position in the supplying market, this revision was not surprising. Linseed oil is a point lower and the demand has fallen off to a minimum. Buyers seem well supplied and are reluctant to purchase more stocks, centering their interest on conditions in seed markets. Olive oil prices are easily held but buyers fail to show even the usual interest in to-day's values. Coconut oil is also unchanged but reported to be weaker in Manila.

## INDUSTRIAL CHEMICALS

**Acid Formic** — Continues to move in a quiet manner at 11c@12c lb. but lower quotations are easily procurable.

**Acid Muriatic** — Is moving along in satisfactory quantities toward regular consuming channels and 20° material is priced at \$1.70 @ \$1.80 100 lbs.

**Alcohol** — There is nothing new to report, the distribution is termed as comfortable and all interest seems to be centered upon the coming demand from anti-freeze users, who are showing some signs of activity.

**Ammonium Chloride** — A considerable amount of competition is seen, as a reflection of an added demand. Makers are being favored with the bulk of the business and place the market for white at 5 $\frac{1}{4}$ c lb. Gray is also unchanged at 5 $\frac{3}{4}$ c lb. and lump remains at 11c lb. and is featured with any unusual interest.

**Calcium Arsenate** — The heavy movement of the past month has subsided somewhat and prices of 7 $\frac{1}{2}$ c@8c lb. are named to buyers who are now taking more moderate quantities.

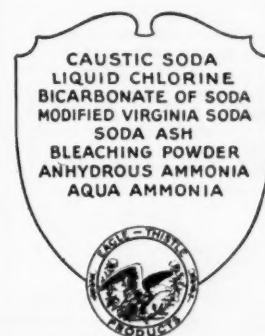
**Glycerin** — A consistent lack of activity features the market. The demand is very slight and due to the variation in prices of foreign and domestic goods, buyers are inclined to purchase abroad. Domes-

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tic refiners are endeavoring to uphold their prices, anticipating an early emergence of the anti-freeze demand. Dynamite may be bought at 20½c lb. crude is quoted at 15c delivered, lye ranges from 13¾c@14c lb. and C. P. is placed at 24c lb.

**Lead Salts** — These derivatives are on a firm basis, due to the staple position of the raw material. The demand is better than that shown for some time.

**Potassium Permanganate** — There has been no weakness shown in the market and sellers report a steady flow of business and continue to quote 14¼c@15c lb.

**Sodium Phosphate** — Makers are enjoying a regular amount of business, substantial spot orders and routine contract withdrawals are current at unchanged prices.

**Tin Salts** — Tin straits are easier at 64c but strangely the only derivative to follow was crystals which declined to 44½c lb. Contrary to the custom, bichloride and tetrachloride advanced to 19c and 38½c lb. respectively, the demand for which, makers declare was of sufficient nature to justify a rise.

### CRUDES AND INTERMEDIATES

**Aniline Oil** — The continually rapid pace at which this material has been moving shows no signs of receding and prices are very firmly held at 15c@16c lb. in drums and 14½c for tank cars.

**Benzene** — There has been no change in the market, business is moving in very good proportions at the nominal figure of 22c gallon with a huge amount of orders priced well under this figure.

**Beta-Naphthol** — Is outstanding in strength at 22c@24c lb. and the entry of early Fall business has added a slightly better degree of activity. Contract withdrawals are regular and of the committed quotas.

**Diethylphthalate** — Continues to show firmness in all quarters and distribution is up to capacity and illustrates brighter prospects. Prevailing prices are \$2.95@\$2.97 gallon.

**Dimethylaniline** — Prices are held firmly and movement is good but the general market appears weaker and buyers seem reluctant owing to the probability of a reduction on lower raw material costs.

**Nitrobenzene** — This material is being consumed at the usual rate and makers find nothing to hinder the regular flow toward consuming interests at 9c@9¼c lb.

**Ortho-Toluidine** — Is firmly priced at 29c@31c lb. and no diversion has been heard from this schedule.

### METHANOL LOWER

New lower prices were named Wednesday on synthetic 99 per cent methanol. The new schedule is as follows: Tank cars 26c gal. less 10% or 50.4c gallon; carlots of 110 gal. drums 59c less 10% or 53.9c gal.; carlots of 55 gal. drums 60c less 5%; 1-c-1-110 gal. drums 61c less 5%; 1-c-1 55 gal. drums 62c less 5%. Wood distillers had not as yet met the reduction but it was generally intimated that they would do so.

### OILS AND FATS

**Chinawood Oil** — The market on the Coast remains unchanged at 16c lb. and the demand seems quiet there although somewhat better than last week. Conditions in China continue grave and an added interest following the recent ascent of the market, local sellers advanced the price of barrels to 18c@18¼c lb. Tanks are still nominal and the surface of the market is still strong.

**Coconut Oil** — The entire market is unchanged and the demand is only of a conservative nature and easier offerings are heard in Manila but spot barrels remain at 9¼c lb. Ceylon shippers are quoting firm prices and the price of tanks is placed at 8½c@8¾c lb.

**Corn Oil** — All prices are firm and unchanged during the period under report. Barrels of refined oil are quoted at 12c@12½c lb. and tanks are named at 11c@11½c lb.

**Cottonseed Oil** — The market stiffened last week and sales were of more satisfactory amounts. Spot oil on Tuesday was sold at 10.10@10.25c lb. and September is offered at 10.15c@10.19c lb. October brought 10.35c@10.37c lb. and November 10.55c@10.63c lb. December is easier at 10.59c@10.60. Crude offering were firm at 8¾c lb. in the Valley and Southeast and Texas commanded 8¾c lb.

**Lard Oil** — This market also advanced. Edible prime is now 16c lb., extra is 11½c lb. and Extra No. 1 is 11¾c lb.

**Linseed Oil** — The market declined on Monday to 10.7c lb. in carlots both as a reflection of the seed markets and as an inducement to buyers who have been inactive lately but show considerable interest in the Argentine seed market, which is conceded to be of a bearish nature.

**Neatsfoot Oil** — Together with the remaining animal oils, this item also advanced ¼c lb. Prices for (Continued on Page 278)



## TURPENTINE EASIER: ROSINS RECOVER IN PART

Shellac Quiet, Unchanged but Due to Rise—Turpentine Movement is Small Lots—Fertilizers Livelier—Prices Firm—Waxes Better—Tanning Materials Of Interest As New Crops Approach.

## Advanced

Wattle Bark \$4.00 ton  
Rosins 10c 280 lbs.

## Declined

Turpentine 1c gallon

Buying operations in the shellac market have been comparatively small and competition among the sellers has grown quite rife in consequence. Spot stocks are very small, in fact close to depletion, but importers are not inclined to advance the market, but hold it at the prevailing levels, in their anxiety to obtain the available business. Doubtlessly a break will be made shortly, as conditions in the primary sources are becoming sharper daily.

Local transactions in the turpentine market have not been particularly significant. Prices have eased a trifle, corresponding with the position in Savannah. There is a routine amount of business proceeding but the volume is hardly more than average dimensions. Trading in the South shows more life, with shipments disposing of round sums of receipts from the interior. The market possesses a firm undertone and the early Fall buying will probably inaugurate a period of higher prices. Rosins regained a portion of the losses incurred last week but buying remains of a requirements character, but the tone of the market is fairly strong and daily fluctuations are restricted to small margins. A week of interest was shown in the fertilizer field, prices were unchanged, but more inquiry was received. Sulfate of ammonia is strong and moving normally, while sodium nitrate is unchanged in price and position. Stocks are in easy supply, and the call is only for moderate quantities. Quotations of blood and tankage are firm and the material remains none too plentiful. The price of fish scrap is nominal as production is below schedule and no indications of improved fishing conditions appear. Waxes are brighter this week, owing to favorable conditions in price and the anticipation of the busy season. The present status of Japan wax is excepting to this, and is placed on an easy basis without features. Varnish gums are dull. No particular products are salient and quiet prevails throughout the line.

The market for tanning materials is again active. Spot goods are lacking and interest has been revived and is centered upon the new crop. Sales are in order for future shipment and prices are now firm, with wattle bark featured with outstanding strength.

**Bees Wax** — Continues to move rapidly, with supplies of ample size and prices are unchanged at 58c@60c lb. for white, 39c@40c lb. for yellow and 38c@39c lb. for crude.

**Blood** — Conditions in this market remain the same, with a huge proportion of available supplies being sold for feeding purposes, New York and Chicago distributing bases price sales at \$4.50 and 10c unit while South American is correspondingly high at \$4.60.

**Bone Meal** — This market is quiet at the time and trading is holding to moderate lots at unchanged prices of \$30.00@31.00 ton.

**Carnauba Wax** — Last week's decline brought about an added degree of activity and the future points towards a stronger position dependant upon the demand. No. 1 yellow is 57c@59c lb.; No. 2 regular 54c@57c lb.; No. 2 North country 36c@38c lb.

**Divi Divi** — There is no spot business present but forward buying has been very active with the prices of \$46.00@47.00 ton serving as the September-October shipment price.

**Fish Scrap** — The market is nominally placed at \$4.75 and 10c unit, but an actual market price cannot be established, due to the lack of supplies. The menhaden catch has been very poor and the inability to obtain stocks has caused some users to revert to other fertilizers.

**Gums, Varnish** — There is nothing of importance to report in this line. Outstanding is the demand for benzoin gum. Kauri and damar are featured with a regular share of the scant amount of business.

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Cincinnati, Ohio, 621 Evans St.  
Cleveland, Ohio, 1440 B. of L. E. Bldg.  
Dallas, Tex., 1819 Clarence St.  
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Solid—Flake—Ground—Liquid

**SODA  
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Light—Dense

Columbia Chemical Division  
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**Japan Wax** — This item seems quieter but prices are strictly adhered to in anticipation of a heavier demand in the immediate market. Prices on spot and for shipment are 18¼c@18½c lb.

**Myrobalans** — All business in this market is centered upon new crop goods which are being offered for shipment within two months.

**Rosins** — Local buyers have not been very active this week, foreign buying has been evidenced but confined to moderate quantities. Current prices are: B,D,E, \$10.30; F, \$10.35; G, \$10.40; H,I, \$10.45; K,M, \$10.50; N, \$10.75; WG, \$11.45 and WW, \$13.25.

**Valonia** — Similar to other tanning materials, all interest is centered in the new crop material which is priced as follows: Cups \$43.00, beards \$58.00@60.00 and mixture \$48.00@50.00.

**Wattle Bark** — With the consumption of all old crop supplies the price for new crop shipment has advanced to \$57.00@58.00.

**NAVAL STORES REPORT***(Special to CHEMICAL MARKETS)*

Savannah Ga., August 20, 1927—

The turpentine held a firm position throughout the week but eased off to-day to 51c@51¼c gallon. Trading has been very active at firm prices most every day and a considerable amount of this good business has been laid responsible to buyers who are hoarding supplies for future use and making their purchases in a gradual way, thereby preventing an advance in the market. The market opened firm and sales during the earlier part of the week were registered on private terms at 53c@53½c gallon, but evidently all immediate needs were satisfied and the price subsided. The coming week will doubtlessly show stronger prices, owing to the attempts at increasing the values this week and the activity seen while Fall buying is in progress. Foreign buyers continued lively and it appears they might be accumulating stocks to hold for re-sale, in anticipation of a higher market. Some buyers are of the opinion that the increased production will exceed the consumption and that surplus stocks will hold the market at a low plane. Receipts of turpentine this week, were 5,636 barrels, sales reported of 1,859 barrels, (3,500 bbls. additional sold on contract and private terms), shipments 7,093 barrels and present stocks 22,865 barrels.

Rosin was somewhat firmer this week, 10c advances are revealed on common grades, while higher grades

are irregular and at a premium. Sales of X and WW were heard at \$11.25. Standing stocks of top grades are practically depleted and receipts are small, resulting in a minimum amount to offer. The undertone is improving and future buyers are acting warily and encouraging competition among the sellers. It is expected that the coming week will again recover a portion of last week's loss and might be permanent. Receipts of rosin this week 18,576 barrels sales reported 8,155 bbls., (additional sales and contracts about 8,000 barrels), shipments of 11,838 barrels. Present stock at Savannah, 104,397 bbls. Current prices are: X, WW, \$10.75; WG \$9.60; N, \$9.10; M, \$8.90; K, I, H, G, E, F, D, B, \$8.80.

Jacksonville Fla.—Turpentine closed in a firm position, refusing fractionally lower bids that 51c@52c gallon. Stocks on August 19th, turpentine 22,617 barrels. Rosin is likewise stronger and with stocks of 75,433 barrels, prices are: X, WW, \$10.75@10.80; WG \$9.50@9.60; N, \$9.10@9.12½; M, K, \$8.90; I, H, G, F, E, B, D, \$8.80

**CANADIAN MARKET**

The territory known as the Eastern Townships, covering an area of 6,235 square miles in the southwestern part of the Province of Quebec, offers a ready and available market for American fertilizers says Department of Commerce. As the district adjoins the United States on the north all importations into the Eastern Townships from the United States are by rail and excellent facilities exist for through shipments from all States. Agriculture is the principal industry which make a market for fertilizer comparatively large when the size of the district is considered. Local dealers estimate that from 150 to 200 carloads of fertilizer are used in the Eastern Townships annually. The only way for American companies to meet competition is to offer their goods at a price sufficiently below the Canadian figures to overcome the natural desire of local dealers to purchase domestic products.

Turbize Artificial Silk Co. is starting construction of an addition to its plant at Hopewell, Va., which will eventually double the capacity of the plant. The output is running at a rate of 7,000,000 lbs. of rayon annually. The company is specializing in making fine sizes of thread and is now producing 35 denier, the finest size thread rayon ever made, it is said. This is being sold at \$3.45 a pound.



## LONDON CHEMICALS

*(Special to CHEMICAL MARKETS)*

London, Aug. 10 (By mail)—Volume of trade passing in industrial chemicals is more satisfactory and values are well maintained. Last quarters general trading in this country has exceeded that of any period since 1922 and this improvement is likely to be more prominently reflected in chemicals which have slowly yet satisfactorily overcome last year's general depression caused by the coal strike. Demand for alkali products is fairly good. Caustic soda is meeting with a steady sale. There is more demand for bleaching powders and although still quiet chloride of magnesium and salt cake have rather more attention. A good business is passing in sulfate of copper, but so far without quotable change in value. There is more activity in white powdered arsenic at about £16. 10s per ton taken in Cornwall; Nitrate of soda is in steady demand at £19. per ton. Chlorates are without change in price.

Oxalic acid is dearer at 3½d to 3¼d per pound. Nitrate of soda stands at about £11.10s per ton fob. Liverpool while forward positions command a lower price. Sulfur in all qualities is firm and in good demand. Muriate of ammonia is selling steadily. The demand has increased. White is £18.10s, Gray about £22 per ton. Pitch continues a feature having advanced to £4.10s per ton fob. Carbollic acid crystals are quietly steady @ 8½d per pound large labs in drums.

Berlin advices announce the termination of the long drawn out dispute before the German courts between American and German manufacturing interests concerning the operation of patents for Activated Charcoal. The two parties have come to a friendly argument as to the working of the these patents originally held as master patents by Bayer of Elberfeld. The American corporation will work the American market, and its French offshoot—Societe Activo de Charbon Uhbain in which the I. G. is indirectly interested will supply the European market with the exception of Germany and England, its capital being substantially increased.

Low Temperature Carbonisation, Ltd., England, has completed its first production of solid smokeless fuel "Coalite" from its new works at Barnsley and has sold its first parcel of 500 tons at a price 50 per cent above that of best domestic house coal.

## AUSTRIA'S SULFUR

Austria's sulfur consuming industries such as those producing paper, rubber goods, cables and chemicals are highly developed; resulting in an annual demand for about 10,000 metric tons of sulfur, exclusive of pyrites. Since no sulfur mines exist within the boundaries of the Republic, the entire requirement for this commodity must be covered by imports from foreign countries, principally Italy and the United States. Practically all sulfur imported from Germany originates in the United States, being imported into Germany in the form of lump sulfur, pulverized in German mills, and re-exported to Austria.

C. Wilbur Miller, president Davison Chemical Co., and of Silica Gel Corp., reached New York Aug. 19 on his return from a European trip undertaken some weeks ago especially in the interest of silica gel, an absorbent which is being applied to refrigeration, the refining of oil and other industrial processes. Mr. Miller is believed to have concluded some profitable arrangement abroad for the use of silica gel patents.

## MISLED EMPLOYEE

## AWARDED DAMAGES

Lion Oil Refining Co. of Arkansas appealed a suit by Charles Albritton, an employee, injured while working for the company. U. S. Circuit Court of Appeals, eighth circuit decided that a release signed by the employee was void and cancelled it on the ground that the physician who examined him said his injuries were slight and temporary while they proved to be serious and permanent. The man claimed that he was misled by representation of the company and signed the release of the company from liability for damages under a misunderstanding. The court held the release was not binding owing to the permanency of the injuries.

Interstate Cottonseed Crushers' Association, Columbia, S. C., with Dr. E. P. Clarke, launched a definite program of basic research which it is hoped will result in the discovery or new uses of cottonseed products. According to former United States Senator Christie Benet, general counsel of the association, noteworthy results are expected from Dr. Clarke's work.

# CHEMICALS

## HEADQUARTERS *for*

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## Butanol

(Normal butyl alcohol)

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Basic material for many valuable organic compounds.

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Universal solvent (no residual odor).

Base for synthetic resins.

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High-boiling solvent in brush lacquers.

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Peoria, Ill.

## OILS AND FATS

(Continued from Page 274)

20° material have been advanced to 18c lb. while the other grades followed accordingly. Pure is now 15c lb., and extra 11½c lb.

**Oleo Oil** — This market failed to follow the general trend of animal oils and reacted downward ¼c lb. No. 1, 13¼c lb. No. 2, 12¼c lb. and No. 3, 11¼c lb. are the new quotations.

**Olive Oil** — The local market is again featureless. Buyers fail to show any undue attraction to prices which are unchanged over the week. Edible remains at \$2.45 gallon, denatured at \$1.64@1.68 while foots held to 9c@9¼c lb.

Dumping of rayon is under investigation by Federal agents. The receipts this year are estimated at \$20,000,000. The treasury department has received reports from France and Switzerland, and reports are expected soon from Italy, Belgium and Germany. These reports, it is understood, contain figures showing the cost of production abroad together with information regarding the subsidy situation, which in Germany, it is anticipated, may prove to be a considerable factor, the question of rebates and the prices at which such commodities are being offered for domestic sale.

Officials of the Food, Drug and Insecticide Administration held a hearing in Washington, D. C., Aug. 15, concerning the establishment of a United States Standard for sulfate wood turpentine. The hearing was attended by representatives of oil producers and importers, representatives of producers of steam distilled methanol, of International Association of Master Painters and Decorators. The result will be announced next month.

A new dyeing and finishing plant costing upward of \$2,000,000 will be located at Travelers Rest, nine miles from Greenville, N. C. A large Eastern firm has closed the negotiations looking toward the construction of the plant. The mill to be built at Travelers Rest will be a dyeing and finishing plant, although later spinning and weaving departments may be added.

Boll weevil infestation in Southern cotton fields, reports of Department of Agriculture, say weevils are abundant in Arkansas, part of Mississippi, Alabama, South Carolina and Texas. A few points in North Carolina and Alabama report boll worms.

## NEW FILTRATION PLANT

Foster-Creighton Co., Nashville, has awarded entire contract for filtration plant, with exception of furnishing a washwater tank, for \$566,986. The wash-water tank was awarded to the Chattanooga Iron & Boiler Co., Chattanooga, Tenn. This 28,000,000 gallon rapid sand filter plant will consist of 12 reinforced concrete filter beds. The building will be approximately 120 by 90 feet, with a master-control located on the operating floor and all valves operated hydraulically. There will be separate bacteriological and chemical laboratories with complete modern equipment. Wallace Tiernan chlorinating apparatus will be used to chlorinate the water just as it leaves the filters. Alum will be used as the coagulant. Mixing tanks will be provided for mixing alum solution and modern crushers will be installed to crush the alum. Proper storage space will be provided for all chemicals.

Dissolution of Home Products Mineral Co. and accounting to distribute its profits of the last year, are asked in a petition filed by D. E. Shelmidine, Spencer, Iowa, who is a partner of W. H. Thomas, in the business. The firm manufacturers mineral feed for livestock and has a large business in Iowa and Minnesota. Shelmidine is asking \$35,000 damages for alleged wrongful acts of his partner in operation of the business. The case is set for the Fall term of court.

U. S. Government flax report shows 1,700,000 bushels more than a month ago, says Ascher-Daniels-Midland Co's report. "This was offset, however," says the company, "by the Canadian crop, which was reduced by 1,500,000 bushels. The crop is going along fairly well. Reports of frost do not indicate any material damage so far, but the late planted flax is entirely dependent on weather conditions. There is nothing particularly new in the Argentine situation and prices there continue steady."

Celluloid Co. reports for six months ended June 30, 1927, net profit of \$222,542 after depreciation and reserves, comparing with net loss of \$51,098 after depreciation, but before reserve inventory adjustments, etc., in first half of 1926.

German Dye Trust officials have caused the arrest of three employees at the Hoescht Works for attempt to sell dye secrets for 900,000 marks.

## NATIONAL LEAD EXPANDS

National Lead Co. has exercised its option to purchase the Titan Co. of Norway, which controls European patents on processes for manufacture of titanium paint pigment. Titan Co. also owns one of the largest and richest known deposits of ilmenite, the ore from which titanium is made, and a plant for the manufacture of titanium products.

National Lead also concluded an agreement with Die Interessengemeinschaft Farbenindustrie Aktiengesellschaft commonly known as I. G. to manufacture and market in Germany and Central Europe titanium pigments from the Norwegian ores. This arrangement is on an equal share basis.

National Lead has also purchased control of Societe Industriale de Titane, which has been manufacturing the same products in France. National Lead already owns 75 per cent of Titanium Pigment Co., which owns ilmenite deposits in Virginia, Florida and other sections. Purchase of the European patents and Norwegian deposits assures the company an adequate supply of raw material for many years. Titanium pigment is comparatively new in the paint industry. It is somewhat more expensive than white lead, but has a considerably greater hiding power, about half as much being required to paint any given area. It is completely inert and not affected by acids, that affect other paints.

## WIDER TITANIUM DEAL

National Lead Co. has extended its operations in Europe through an agreement with the German Dye Trust and the acquisition of a controlling interest in the Societe Industrielle du Titane, France in addition to its recent purchase of the Titan Co., of Norway, E. J. Cornish, president, says. These deals pertain only to the manufacture and marketing of titanium paint pigment, a white paint used instead of white zinc and white lead.

The agreement with the German Dye Trust provides for the manufacture and marketing in Germany and Central Europe of titanium pigments on an equal share basis. A new company will be organized and a large plant will be constructed in Cologne. In acquiring control of the French company, which operates a plant in Clichy, near Paris, National Lead secures patent rights to operate and distribute this product throughout France.

Evans McCarty, vice president of United Lead Co. and member of the executive committee of National

Lead Co., has just returned from Europe, where he negotiated and concluded transactions with the German, French and Norwegian interests. Mr. McCarty said that the operations of the new German company, which has not been registered, will be larger than either those of the French or Norwegian companies.

## PRICE FIXING INQUIRY

Price fixing methods are under investigation by Federal Trade Commission. Some methods to be looked into are the factory base method which may be illustrated by the practice of automobile concerns of selling their cars f. o. b. the factory, in other words, at the factory price plus the freight from factory to locality of the purchaser.

The delivered price method, in which a corporation delivers its products to customers in any part of the country at a given price without basing the price on the cost of transportation will also be investigated.

Casein Co. of Delaware has declared a quarterly dividend of 1½ per cent, payable Aug. 15 to stockholders of record Aug. 6.


## ALCOHOL AWARDS

(Special to CHEMICAL MARKETS)

Washington, D. C., Aug. 25—A number of awards for furnishing alcohol to various navy yards have been announced by the Bureau of Supplies & Accounts, Navy Department. Lowry & Co. will furnish the Brooklyn navy yard with 10,000 wine gallons of Grade A ethyl alcohol at \$4,850.

United States Industrial Alcohol Co. will furnish Indian Head, Md., with 1,515,000 pounds Grade B. alcohol for smokeless powder at \$68,932.50. Industrial Solvents Corp. will furnish San Diego navy yard with 3,500 wine gallons of Grade C denatured alcohol at \$1,575. The same firm will furnish the same yard with 500 wine gallons of Grade A ethyl alcohol at \$225 and they will furnish Mare Island yard with 8,000 wine gallons of Grade C denatured alcohol at \$3,680.

Commercial Solvents Corp. will furnish the Puget Sound yard with 6,500 wine gallons of Grade C denatured alcohol at \$2,955 and the same yard with 2,000 wine gallons of Grade A ethyl alcohol at \$900.



**AFTER** all, the test of time has a weighty meaning. For forty-four years SOLVAY has been the leader!

<b>Solvay 58% Soda Ash</b> Dense—Light <b>Solvay Fluf (Extra Light Soda Ash)</b> <b>Solvay 76% Caustic Soda</b> Solid—Flake—Ground <b>Solvay Liquid Caustic Soda</b> <b>Solvay Super Alkali</b> <b>Solvay Snowflake Crystals</b> (Trademark Registered) <b>Solvay Laundry Soda</b> <b>Solvay Cleansing Soda</b>	<b>Solvay Tanners Alkali</b> <b>Solvay Tanners Soda</b> <b>Solvay Calcium Chloride</b> Solid—Flake—Liquid <b>Solvay Caustic Potash Liquor</b> 45% <b>Solvay Sodium Nitrite</b> <b>Solvay Ammonium Chloride</b> <b>Solvay Ammonium Bicarbonate</b> <b>Solvay Paradichlorobenzene</b> <b>Solvay Benzaldehyde</b> <b>Solvay Benzyl Chloride</b>
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# Import Manifests

Heavy Chemicals and  
Other Industrial Raw  
Materials.

## IMPORTS AT NEW YORK Aug 15 to Aug 22

- ACIDS**—Cresylic, 20 drs., H. S. Farleigh, Hull 15 drs., W. A. Foster & Co., Hull; 61 drs., Merck & Co., Hull; **Fluosilic**, 120 balloons, Montanin Co., Hamburg; **Formic**, 84 Demi-johns Kuttroff, Pickhardt & Co., Hamburg; 293 carboys, American Cyanamid Co., Hamburg; **Nitric**, 4 drs., Kuttroff, Pickhardt & Co., Rotterdam; **Oxalic**, 100 cks., A. Klipstein & Co., Antwerp; **Stearic**, 40 bgs., C. R. Spence Co., Rotterdam
- AETHYLENDBROMIDE**—56 brls., Potash Imp't Corp of America, Hamburg
- ALCOHOL**—Denatured, 100 drs., C. Esteve, San Juan; **Methylated Spirits**, 60 brls., Ferodo & Asbestos Inc., Manchester
- AMMONIUM SALTS**—Carbonate, 10 cks., J. Turner & Co., Liverpool; **Sulphate**, 204,117 kilos Synthetic Nitrogen Products Co., Hamburg; **Nitrate**, 406 cks., R. W. Greeff & Co., Oslo; **Sulphocyanide**, 9 cks., Mallinckrodt Chem Works, Liverpool
- ANTIMONY**—70 cks., S. Fullwood, Newcastle; **Oxide**, 125 cks., Composition Metal Co., Antwerp; 75 cks., Composition Metal Co., Antwerp; 50 cks., E. J. Lavino, Antwerp; **Regulus**, 250 cks., W. R. Grace & Co., Shanghai
- ARSENIC**—142 brls., American Smelting & Ref. Co., Tampico; 50 drs., Central Union Trust Co., Hamburg; 50 drs., Lo Curto & Funk, Hamburg; 50 brls., Innis Speiden & Co., Antwerp
- BARIUM SALTS**—Nitrate, 3 cks., A. Klipstein & Co., Rotterdam
- BARYTES**—500,000 kilos, Ore & Chem Corp., Rotterdam
- BERLIN BLUE**—10 cks., Fezandie & Sperrle, Rotterdam
- BLEACHERS BLUE**—10 brls., A. De Ronde & Co., Liverpool
- BLOOD ALBUMEN**—25 cks., J. Morningstar & Co., Hamburg
- BONE MEAL**—1060 bgs., H. J. Baker & Bro., Rotterdam
- BUTYL-ACETATE**—133 drs., Kuttroff Pickhardt & Co., Rotterdam
- CALCIUM**—Chloride, 10 drs., G. Delawanna, Rotterdam; 2 bgs., Phoenix Shpg. Co., Rotterdam
- CALCIUM METAL**—6 cs., American Metal & Minerals Corp., Hamburg
- CAMPHOR**—Synthetic, 280 cs., E. I. DuPont de Nemours Co., Rotterdam
- CARBON**—750 bgs., Glidden Food Products Co., Rotterdam
- CASEIN**—250 bgs., A. Klipstein & Co., St. Nazaire; 134 bgs., Karolith Corp., Havre; 526 bgs., Nat City Bank, Buenos Aires; 1030 bgs., Champion Coated Paper Co., Buenos Aires; 778 bgs., Kalbfleisch Corp., Buenos Aires
- CHALK**—800,000 kilos J. W. Higman Inc., Dunkirk
- CHEMICALS**—110 cks., Hans Hinrichs Chem Corp., Rotterdam; 90 cks., Hummel & Robinson, Bremen; 6 cks., General Dyestuff Corp., Rotterdam; 15 pgs., General Dyestuff Corp., Rotterdam; 22 brls., H. Falck & Co., Hamburg; 220 drs., Manahan Chem Co., Antwerp; 12 cks., Mallinckrodt Chem Works, Hamburg; 20 cs., Eimer & Amend, Hamburg; 46 drs., Superfos Co., Hamburg; 7 cs., H. A. Metz, Hamburg; 42 cs., Ciba Co., Havre; 6 cs., H. A. Metz, Havre; 25 brls., Hummel & Robinson, Bremen; 23 cks., Stanley Doggett Inc., Bremen; 100 cks., American Bluefriesveem Inc., Rotterdam; 38 cks., Jungmann & Co., Hamburg; 10 cks., 5 cs., Roessler & Hasslacher Chem Co., Hamburg; 1 ck., Pilatz & Bauer, Hamburg; 66 cs., Hoffman La Roche Chem Works, Hamburg; 30 cks., Kuttroff Pickhardt & Co., Hamburg; 51 cs., Pilatz & Bauer, Hamburg
- CINCHONIDINE**—Sulfate, 5 cs., Lo Curto & Funk, Hamburg
- CHROME OXIDE**—Green, 12 cks., Reichard Coulston Inc., Rotterdam
- CINCHONIDIDE**—10 cs., R. W. Greeff & Co., Rotterdam
- CLAY**—165 cks., Nat City Bank, Rotterdam; 9 cks., A. Hurst & Co., Rotterdam; **China**, 2015 tons, English China Clay Sales Corp., Fowey; 1008 tons, Moore & Munger, Fowey
- COLORS**—86 pgs., General Dyestuff Corp., Rotterdam; 43 pgs., General Dyestuff Corp., Rotterdam; 3 cks., Bank of Manhattan Co., Antwerp; 2 cks., B. P. Ducas & Co., Rotterdam; 66 pgs., General Dyestuff Corp., Rotterdam; 5 cks., Geigy Co., Inc., Antwerp; 1 ck., B. Bernard Inc., Antwerp; 2 pgs., General Dyestuff Corp., Hamburg; 3 kgs., H. Heyman, Rotterdam; 17 cks., General Dyestuff Corp., Rotterdam; 19 pgs., Geigy Co., Havre; 22 pgs., Sandoz Chem Works, Havre; 6 brls., A. Hurst & Co., Hamburg; 1 cse., B. F. Drakenfeld & Co., Havre; 25 cks., Reichard Coulston Inc., Havre; 1 cse., A. Hurst & Co., Hamburg; **Bronze Powder**, 12 cs., B. F. Drakenfeld & Co., Bremen; 32 cs., L. Uhlfelder & Co., Bremen; 11 cs., Hensel Bruckmann & Lorbacher, Bremen; 18 cs., T. Riessner, Antwerp; 3 cs., J. E. Bernard & Co., Hamburg; 10 cs., Gallagher & Ascher, Hamburg; **Earth**, 34 cks., Fezandie & Sperrle, Bremen; 36 cks., Wishnick Tumpey Inc., Bremen; 38 cks., Fezandie & Sperrle, Bremen; 46 cks., Reichard Coulston Inc., Hamburg
- CUTTLEFISH BONE**—75 cs., 25 bdl., G. T. German Bordeaux
- EPSOM SALTS**—200 cks., The Goldschmidt Corp., Bremen
- EXTRACTS**—Archil Liquor, 5 cks., W. A. Ross & Bro., Liverpool; **Quebracho**, 754 bgs., J. C. Andresen & Co., Buenos Aires; 6160 bgs., International Products Co., Buenos Aires; 2060 bgs., Tannin Corp., Buenos Aires, Sumac, 10 cks., Geigy Co., Antwerp; **Tanning**, 5 cks., Bachmeier & Co., Antwerp
- FERROPHOSPHORUS**—111 cs., C. W. Leavitt & Co., Dunkirk
- FERTILIZER**—224 bgs., J. Aron & Co., Havana
- FULLERS EARTH**—800 bgs., L. A. Salomon & Bro., London
- GLAUBER SALTS**—117 cks., A. Hurst & Co., Hamburg
- GLUE**—200 kegs, Pilatz & Bauer, Bremen; 60 cks., W. E. Miller, Havre; 128 cs., W. E. Miller, Antwerp; 9 cs., Hoppel & McAvoy, Hamburg; 100 kegs, Pilatz & Bauer, Hamburg; 200 bgs., Lazard Freres, Hamburg; 100 bgs., National Gum & Mica Co., Hull; 19 pgs., Gallagher & Ascher, Liverpool; 100 pgs., G. H. Hommel, Hull
- GLYCERINE**—20 drs., McKesson & Robbins, Rotterdam; 80 drs., Armour & Co., Hamburg
- GUMS**—Arabic, 25 bgs., Innis Speiden & Co., Port Sudan; 300 bgs., Thurston & Braidich Port Sudan; 25 bgs., S. B. Penick & Co., Port Sudan; **Copal**, 64 bgs., Paterson Boardman & Knapp, Singapore, 578 bgs., Paterson Boardman & Knapp Antwerp; 10 bgs., A. Klipstein & Co., Antwerp; 100 bgs., Innes & Co., Antwerp; 131 bgs., W. H. Scheel, Manila; 150 bgs., France Campbell & Darling, Antwerp; 476 bgs., G. W. S. Patterson & Co., Antwerp; 20 bgs., Ault & Wiborg, Antwerp; 1485 bgs., Paterson Boardman & Knapp, Antwerp; 381 bgs., Innes & Co., Antwerp; 14 bgs., A. Klipstein & Co., Antwerp; 143 bgs., S. Winterbourne, Antwerp
- Damar**, 100 cs., L. C. Gillespie & Son, Batavia; 64 bgs., Paterson Boardman & Knapp, Singapore; 16 bgs., S. Winterbourne, London; **Kadaya**, 130 bgs., Brown Bros., & Co., Bombay; **Kauri**, 160 cs., 74 bgs., G. W. S. Patterson & Co., Auckland; 534 bgs., A. Klipstein & Co., Auckland; 12 bgs., 54 cs., Davie & Turner & Co., Auckland; **Tragacanth**, 9 bgs., W. Mohrman, London; 14 bgs., F. Vliet Co., Hamburg; 50 bgs., W. Mohrman, London; 27 cs., 27 bgs., Thurston & Braidich, London
- HYDROGEN PEROXIDE**—10 bottles, Oakland Chem Co., Rotterdam
- IRON OXIDE**—4 brls., Reichard Coulston Inc., Malaga; 100 brls., C. J. Osborn & Malaga; 3a ck.5 J. Lee Smith & Co., Hull
- LAKASOL**—102 drs., J. C. Browne, St. Croix
- LIME**—Nitrate, 25 cks., R. W. Greeff & Co., Oslo
- LINALYL**—Acetate, 2 cs., G. Lueders & Co., Hamburg
- LITHOPONE**—40 cks., C. J. Osborn & Co., Rotterdam
- MAGNESITE**—Calcined, 700 bgs., 50 brls., 6 drs., Innis Speiden & Co., Rotterdam
- MAGNESIUM**—25 cs., Schofield Donald & Co., Newcastle; **Chloride**, 295 drs., Innis Speiden & Co., Hamburg; 134 drs., order, Hamburg; 89 drs., Innis Speiden & Co., Hamburg; **Oxide**, 40 cks., Monsanto Chem Works, Hamburg
- MENTHOL**—Crystals, 30 cs., A. G. Callier, Kobe; 25 cs., Mc Kesson & Robbins, Kobe; 25 cs., Standard Bank of So. Africa, Kobe
- MINERAL WHITE**—600 bgs., Hammill & Gillespie, Liverpool
- MYROBALANS**—10,602 pkts., A. Klipstein & Co., Calcutta
- NUT GALLS**—352 bgs., Fuhrmeister & Co., Hankow; 240 bgs., Zinsser & Co., Shanghai
- OCHRE**—73 cks., J. Lee Smith & Co., Marseilles; 21 cks., Hummel & Robinson, Marseilles; 52 cks., Reichard Coulston Inc., Marseilles; 113 cks., Wishnick Tumpey Inc., Marseilles; 300 cks., C. K. Williams & Co., Marseilles
- OILS**—Cod, 100 cks., National Oil Products Co., St. Johns; 910 cks., National Oil Products Co., Oslo; 200 brls., National Oil Products Co., Hull; 300 brls., R. Badcock & Co., Hull; 20 cks., R. Badcock & Co., St. Johns; 30 brls., R. Badcock & Co., Hull; 300 brls., Baring Bros., Hull; **Codliver**, 100 brls., Hans Hinrichs Chem Co., Bergen; 200 brls., Eli Lilly & Co., Bergen; 2 cks., Health Products Corp., St. Johns; 85 brls., P. R. Dreyer, Oslo; 50 cs., Schieffelin & Funk, Oslo; **Haarlem**, 25 cs., Lo Curto & Funk, Rotterdam; **Lubricating**, 65 cks., Schieffelin & Funk, Hamburg; **Olive**, 125 cs., Nicelle Olive Oil Co., Marseilles; 140 brls., Rhode Island Hospital Trust Co., Malaga; 175 cs., Banco Commerciale Italiano, Malaga; 25 drs., Interstate Co., Malaga; **Palm**, 162 cks., W. & A. Leaman, Liverpool; 77 cks., 148 pgs., W. & A. Leaman, Rotterdam; **Palm Kernel**, 221 tons J. Bibby & Son, Liverpool; 780 tons, Niger Co., Hull; **Rapeseed**, 15 cks., Badcock & Co., St. Johns; 65 cks., Bowring & Co., St. Johns
- Wood**, 50 brls., Mitsui & Co., Hankow
- PLASTER**—920 bgs., Whitaker Clark & Daniels, Hamburg
- POTASSIUM SALTS**—Carbonate, 13 cks., T. C. Weygant & Co., Bremen; 30 cks., A. Klipstein & Co., Hamburg; 14 cks., Parsons & Petit, Hamburg; **Caustic**, 271 drs., A. Klipstein & Co., Hamburg; 90 drs., A. Klipstein & Co., Hamburg; 90 drs., A. Klipstein & Co., Hamburg; 197 drs., Roessler & Hasslacher Chem Co., Hamburg; 180 drs., Innis Speiden & Co., Hamburg; 15 cs., Mallinckrodt Chem Works, Gothenburg; **Chlorate**, 3400 cks., Uniform Chem Products Co., Hamburg; **Metabisulfite**, 1 cse., A. Gusmer Inc., London; **Metal**, 1 cse., American Metals & Minerals Corp., Hamburg; **Nitrate**, 109 cks., Kuttroff Pickhardt & Co., Rotterdam; 116 cks., Kuttroff Pickhardt & Co., Hamburg; 24 cks., Davies Nitrate Co., Hamburg; 70 bgs., 24 cks., Davies Nitrate Co., Hamburg; **Prussiate**, 12 kegs, C. Tennant Sons & Co., Liverpool
- PROTECTOL**—37 cks., General Dyestuff Corp., Hamburg
- QUICKSILVER**—27 flasks, F. W. Pabst, Vera Cruz
- QUININE**—7 cs., R. W. Greeff & Co., Rotterdam; 5 cs., W. Van Doorn, Rotterdam
- ROCHELLE SALTS**—33 cks., Garfield & Co., Hamburg
- ROSIN**—25 cs., Tice & Lynch, Bordeaux; 125 cks., Murphy Varnish Co., Bordeaux
- SAL AMMONIAC**—340 cks., Kuttroff Pickhardt & Co., Rotterdam; 48 cks., A. Klipstein & Co., Rotterdam
- SALTPETRE**—100 bgs., Lo Curto & Funk, Hamburg; **Leuna**, 5442 bgs., Synthetic Nitrogen Products Corp., Rotterdam
- SANDALWOOD**—80 bls., D. L. Silverman, Bombay
- SHELLAC**—75 cs., C. F. Gerlach, Rotterdam; 500 bgs., Anglo So American Trust Co., Calcutta; 150 bgs., Mac Lac Co., Calcutta; 100 bgs., H. W. Peabody & Co., Calcutta; 100 bgs., Rogers Pyrratt Shellac Co., Calcutta; 200 bgs., Farmers Loan & Trust Co., Calcutta; **Seedlac**, 85 cs., Rogers Pyrratt Shellac Co., Calcutta; 1274 bgs., Rogers Pyrratt Shellac Co., Calcutta; 300 bgs., Anglo So American Trust Co., Calcutta
- SODIUM SALTS**—Chlorate, 1000 drs., Monmouth Chem Corp., Hamburg; **Cyanide**, 336 cans C. Hardy Inc., Havre; 1008 cs., C.

R. Spencer & Co., Hamburg; **Disoda Phosphate**, 246 cks., Rhodia Chem Co., Rotterdam; 90 cks., Hans Hinrichs Chem Corp., Rotterdam; **Ferro Cyanide**, 30 cs., E. Dietzgen, Rotterdam; **Hydrosulfate**, 55 drs., E. Ritter, Hamburg; **Nitrate**, 20 cks., R. W. Greeff & Co., Oslo; 7513 bgs., Wessel Duval & Co., Iquique; 12173 bgs., Wessel Duval & Co., Antofagasta; 9932 bgs., Anglo So American Trust Co., Iquique; **Phosphate**, 413 cks., Roessler & Hasslacher Chem Co., Rotterdam; 68 brls., A. Klipstein & Co., Antwerp; **Prussiate**, 32 cks., Innis Speiden & Co., Rotterdam; 17 cks., A. Klipstein & Co., Rotterdam; 38 cks., Rhodia Chem Co., Hamburg

**TALC**—200 bgs., Whittaker Clarke & Daniels, Bordeaux; 200 bgs., C. B. Chrystal, Bordeaux; 200 bgs., C. Mathieu, Genoa

**TAPIOCA FLOUR**—25 bgs., Balfour Williamson & Co., Batavia

**TARTAR**—625 bgs., C. Pfizer & Co., Marseilles; 100 bgs., Tartar Chem Works, Marseilles; 237 bgs., Tartar Chem Works, Barcelona; 1989 bgs., Royal Baking Powder Co., Buenos Aires

**THIOCARBONIDE**—Thiourea, 10 kgs. American Cyanide Co., Liverpool

**TIMINOX**—30 cks., S. Fullwood, Newcastle

**TURMERIC**—246 bgs., Irwin Harrison & Whitney, Bombay; 152 bgs., Anglo So American Trust Co., Bombay

**ULTRAMINE BLUE**—18 cks., Ault & Wiborg, Hull

**UREA**—391 bgs., Synthetic Nitrogen Products Corp., Rotterdam

**WAX**—Animal, 10 bgs., A. Hurst & Co., Hamburg; **Bees**, 11 bgs., Galban & Co., Baracoa; 12 bgs., Ultramares Corp., Pto Barrios; 26 bgs., F. C. Luthi & Co., Tampico; 15 bgs., K. Mandell & Co., Tampico; 15 bgs., R. J. Vogen & Co., Tampico; 27 bgs., D. Steengrafe, Havana; 44 bgs., C. W. Jacob & Allison, Tampico; 7 bgs., E. A. Canalizo & Co., Pto Plata; 3 cks., W. Schall & Co., Pto Plata; 75 bgs., J. Gara — Hnos, Tampico

**WHITING**—250 bgs., Wishnick Tumpeer Inc., Antwerp; 4061 bgs., National City Bank, Antwerp; 500 bgs., Stanley Doggett Inc., Antwerp; 100 brls., C. B. Chrystal Co., Antwerp; 1250 bgs., J. H. Nichols Co., Antwerp

**WOODFLOUR**—400 bgs., H. J. Baker & Bro., Rotterdam; 300 bgs., A. Kramer Co., Rotterdam; 400 bgs., State Chem Co., Rotterdam; 2 bgs., E. M. Sargeant & Co., Gothenburg; 271 bgs., Burnett Co., Gothenburg

**WOOL GREASE**—100 cks., 70 brls., Bremen; 31 brls., Hummel & Robinson, Bremen

**ZINC**—Ammonium Chloride, 35 brls., A. Klipstein & Co., Antwerp; **Oxide**, 60 brls., Innis Speiden & Co., Antwerp; 12 cks., Roessler & Hasslacher Chem Co., Rotterdam

**ZYKLON**—B. 245 cs., Roessler & Hasslacher Chem Co., Hamburg

**JACK**—EXPORTS

**EXPORTS AT NEW YORK**

**ACETONE**—64 drs., August 2, Antwerp

**ACID**—Acetic, 10 bls., July 8, Nuevitas; Chloridric, 10 carboys August 3, Vera Cruz

**Phosphate**, 7 cs., August 3, Bahia; **Stearic**, 10 bgs., August 3, Progreso; **Sulphuric**, 25 drs., July 8, Havana; 15 cs., July 1, Callao; **Tartaric**, 40 kgs., August 3, Vera Cruz

**AMMONIUM**—Phosphate, 21,404 bgs., August 4, Yokohama; **Sulfate**, 600 bgs., July 8, Havana

**ARSENATE**—Calcium, 20 drs., July 8, Nuevitas

**CARBIDE**—Calcium, 100 drs., August 3, Progreso; 40 drs., August 3, Vera Cruz; 100 drs., July 15, Puente Arenas; 100 drs., July 29, Maracaibo; 600 drs., August 5, Maracaibo; 20 drs., July 8, Cristobal

**CARBON**—Black, 100 cs., August 2, Hamburg

**COLOR**—50 drs., July 1, Buenos Aires

**CYANIDE**—250 drs., August 3, Vera Cruz

**EXTRACT**—Logwood, 103 cs., July 29, Antwerp

**FERTILIZER**—320 bgs., July 22, Cienfuegos; 200 bgs., July 15, Corinto

**LAUBER SALT**—10 cs., July 29, Santos; 15 kgs., July 22, Santa Marta

**GUM**—Benzoin, 160 cs., August 2, Hamburg

**LINSEED OILCAKE**—9478 bgs., August 4, Rotterdam; 2594 bgs., August 2, Antwerp; 1620 bgs., August 5, Cork; 7000 bgs., August 4, Rotterdam; 644 bgs., July 15, Glasgow

**OILS**—Cocanut, 25 cs., July 29, Havana

**Linseed**, 41 drs., July 29, Havana; Mirbane, 5 drs., July 22, Santiago

**NICKEL OXIDE**—119 bbls., July 21, Rotterdam

**PEROXIDE**—200 cs., August 3, Vera Cruz; 15 cs., July 29, Pto Cabello; 200 cs., July 8, Havana

**ROSIN**—5 bbls., August 3, Kingston 0:10 bbls., August 6, Sao Francisco Do Sul; 50 bbls., July 29, Pto Cabello

**SAL HEPATICA**—8 cs., July 8, Cristobal

**SODIUM SALTS**—Benzoate, 4 bbls., July 8, Nuevitas; Bicarbonate, 5 kgs., August 3, Progreso; 10 bxs., July 22, Santa Marta;

**Bichromate**, 15 cks., August 3, Vera Cruz;

**Caustic**, 5 drs., July 8, Pto Limon; 50 drs., July 15, Buenaventura; 10 drs., July 15, Port Limon; 300 cs., July 25, Pernambuco; 64 drs., 200 cs., July 25, Bahia; 15 drs., July 22, Santiago; 15 drs., August 3, Progreso;

100 drs., August 3, Vera Cruz; **Caustic**, 16 drs., August 6, Bahia; 1500 cs., August 2, Santos; 250 cs., July 29, Sanost; 300 cs., July 29, Rio Grande Do Sul; 99 cs., July 27, Santos, **Hyposulfate**, 30 kgs., July 8, Havana

**TALC**—250 bgs., August 3, Vera Cruz

**ULTRAMARINE BLUE**—5 bbls., July 29, La Guaira; 5 bbls., July 8, Port Limon

**ZINC**—Oxide, 20 bbls., July 1, Callao; 600 cs., August 4, Amsterdam; 320 bbls., July 30, Macnehter; 5 kgs., July 22, Santa Marta

#### IMPORTS AT BOSTON

August 14 to August 21

**AMMONIUM BIFLUORIDE**—6 cases, order, Hamburg

**AMMONIUM PERSULFATE**—5 bbls., Jungmann & Co., Hamburg

**CAUSTIC POTASH**—75 drums, order, Hamburg

**CHLORIDE OF MAGNESIUM**—222 drums,

order, Hamburg; 148 drums, order, Hamburg

**EPSOM SALTS**—250 bags, Brown Bros., Hamburg

**GLAUBER SALTS**—125 bbls., Monmouth Chem Co., Hamburg; 34 casks, order, Hamburg; 750 bags, order, Hamburg

**HYPHOSPHITE OF LIME**—18 cases, order, Liverpool

**HYPHOSPHITE OF SODA**—13 cases, order, Liverpool

**LACTIC ACID**—27 bbls., order, Hamburg

August 7 to August 14

**ANILINE COLORS**—16 kegs, 2 cases, 17 casks Dyestuffs Corp. of America, Liverpool

**BISULPHITE OF SODIUM**—25 drums, order, Hamburg

**BARYTES**—300 bags, R & H Chemical Co., Hamburg

**CARBONATE OF AMMONIA**—5 bbls., order, Hamburg

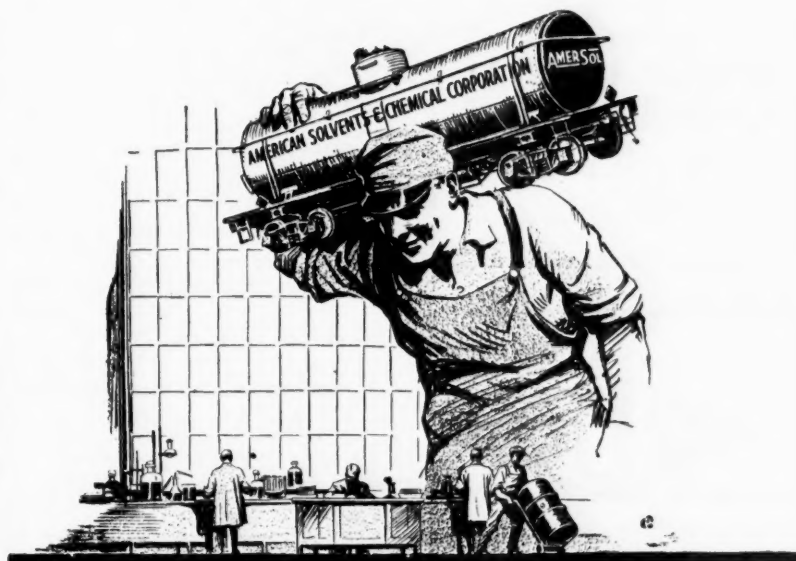
**CARBONATE OF POTASH**—58 casks, Irving M. Sobin Co., Rotterdam

**CAUSTIC POTASH**—70 drums, A. Klipstein & Co., Hamburg

**CHEMICALS**—12 casks, Irving M. Sobin Co., Rotterdam; 82 drums, order, Rotterdam;

80 Balloons, R & H Chemical Co., Rotterdam

**CHLORIDE OF LIME**—21 bbls., Order, Hamburg; 80 drums, order, Rotterdam



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Any one of our convenient twenty-three branches will gladly send alcohol by special delivery, in any practical quantity you may designate. It may be for emergency or for routine requirements. In either case, our facilities are at your disposal. To place your plant in quick and convenient touch with these large supplies of quality alcohol, a well-planned warehouse distribution system has been established. These Amersol warehouses are so thickly concentrated throughout the country that the time element in deliveries has been practically eliminated. Amersol service therefore offers you every essential to satisfaction—quality Alcohol obtainable on short notice in quantity.

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Harvey, La.  
Indianapolis, Ind.  
Kansas City, Mo.  
Los Angeles, Calif.

Newark, N. J.  
New Orleans, La.  
Philadelphia, Pa.  
Pittsburgh, Pa.  
Portland, Ore.  
St. Louis, Mo.

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**GENERAL DYESTUFF  
CORPORATION**

**CRESYLIC ACID**—30 drums, order, Rotterdam  
**FORMIC ACID**—252 Demijohns A. Klipstein & Co., Rotterdam; 74 carboys, order, Rotterdam  
**GLAUBER SALTS**—500 bags, order, Rotterdam  
**LACTIC ACID**—23 bbls., order, Rotterdam  
**MURIATE OF AMMONIA**—20 casks, Kuttroff Pickhardt & Co., Rotterdam  
**IRON CHLORIDE**—40 casks, order, Rotterdam  
**NITRATE OF POTASH**—7 bbls., order, Rotterdam  
**OXIDE OF IRON**—10 casks, Joseph A. McNulty, Manchester  
**PINE TAR**—150 drums, order, Hamburg  
**POTASH**—16 casks, A. Klipstein & Co., Hamburg; 25 bbls., R & H Chemical Co., Hamburg  
**SALAMMONIAC**—20 casks, Irving M. Sobin Co., Rotterdam  
**SODIUM SULPHITE**—155 drums, order, Hamburg; 35 drums, Irving M. Sobin Co., Rotterdam  
**TETRACHLORAETHAN**—5 bbls., order, Rotterdam

### IMPORTS AT PHILADELPHIA Aug 10 to Aug 17

**ACIDS**—Cresylic, 50 drums, Baldwin Universal Corp., Rotterdam  
**CALCIUM CHLORIDE**—60 drums, order, Rotterdam  
**CASEIN**—417 bags, Bank of London & South America, Buenos Ayres  
**CHALK**—3000 bags, Chatham Phenix Nat. Bank & Trust Co., Antwerp  
**CHEMICALS**—300 drums, order, Rotterdam; 14 cases, order, Rotterdam; 16 cases, order, Rotterdam; 4 cases, order, Rotterdam; 4 casks, order, Rotterdam; 2 drums, order, Rotterdam  
**FLUORIDES—Silica**, 73 bbls., 762 bags, order, Huron  
**GLYCERIN**—30 drums, order, Genoa; 40 drs., order, Antwerp; 50 casks, order, Marseilles; 47 drums, S. A. Foret, Alicante  
**IRON OXIDE**—400 bags, J. H. Nicholas & Co., Inc., Malaga  
**MAGNESITE**—100 bbls., Chatham & Phoenix Nat'l Bank & Trust Co., Rotterdam  
**MLOASSES—Blackstrap**, 613,349 gals., North American Trading & Import Co., Havana  
**MYROBALANS**—490 bags, Standard Bank of So. Africa, Bombay; 600 bags, Standard Bank of So. Africa, Calcutta  
**NITRATE OF SODA**—6,713 bags, E. I. Du Pont Co., Antafagasta; 71,089 bags, E. I. DuPont Co., Iquique  
**OILS—Codliver**, 50 bbls., F. B. Vandegrift, Rotterdam; **Olive**, 100 cases, order, Genoa; 100 bbls., order, Palermo; 150 cases, Giacomini Foli Genoa; 250 cases, order, Leghorn; 250 cases, order, Malaga; **Rapeseed**, 100 drums, Bank of America, Oraka  
**POTASH SALTS—Manure Salt**, 220,500 kilos Potash Exporting Co., Muriate, 1000 bags, Potash Exporting Co., Antwerp  
**QUEBRACHO—Extract**, 507 bags, Leas & McVitty Inc., Buenos Ayres  
**SODIUM PRUSSIAE—Yellow**, 43 casks, Roessler & Hasslacher Chem Co., Rotterdam; 53 casks, Brown Bros. & Co., Antwerp  
**SODIUM SULPHITE** 162 drums, order, Rotterdam

### IMPORTS AT BALTIMORE August 12 to 18

**ARSENIC—Powdered**, 19 bbls., 11,942 lbs., Brown Bros., Ala, Antwerp  
**BONE—Flour**, 552 bags, 56,179 lbs., H. J. Baker & Bro., Ala, Antwerp; 500 bags, 110,000 lbs., to order, Ala, Antwerp; **Loose Manufactured**, 68,354 lbs., Swift & Co., West Imboden, Buenos Aires; 76,092 lbs., American Agricultural Chemical Co., West Imboden, Rosario; 440,000 lbs., American Agricultural Chemical Co., West Imboden, Montevideo; **Meal**, 302,269 lbs., Swift & Co., West Imboden, Rosario; 610 bags, 134,290 lbs., Alliance Fertilizer Co., Ambridge, Rotterdam; 1670 bags, 333,232 lbs., W. G. N. Rukert, Ambridge, Rotterdam; 300 bags, 44,440 lbs., H. J. Baker & Bro., Ala, Antwerp  
**CHALK**—250 bags, 55,785 lbs., 1250 bags, 1,167,475 lbs., J. H. Nicholas & Co., New York Ala, Antwerp  
**CHEMICALS**—30 cases, 18764 lbs., Roessler & Hasslacher Chemical Co., New York, Ambridge, Rotterdam  
**IRON ORE**—7,500 tons, Bethlehem Steel Corp., Campana, Portman; 11,000 tons, Bethlehem Steel Corp., Firmor, Daiquiri; 20,000 tons, Bethlehem Steel Corp., Svealand, Cruz Grande; 6,996 tons, Bethlehem Steel Corp., Gonsenheim, Lulea; 7,300 tons, Bethlehem Steel Corp., Luossa, Lulea  
**LEUNASALPETRE**, 454 bags, 99,880 lbs., Kut-

troff, Pickhardt & Co., Ambridge, Rotterdam; 9979 bags, 2,195,300 lbs., F. H. Shallus Co., Ambridge, Rotterdam  
**MANGANESE**—7932 tons, Bethlehem Steel Corp., Induna, Poti, 8600 tons, Cottman Company, Chinha, Rio de Janeiro  
**NITROGENOUS MATERIAL**—1,000 bags, F. H. Shallus Co., Artigas, Liverpool  
**OIL LUBRICATING**—10 bbls., to order, Napierian, London  
**OXIDE—Iron**, 25 casks, 12,290 lbs., Richard Coulson, Inc., Artigas, Liverpool; 72 casks, 20 tons, E. M. & F. Waldo, Inc., Artigas, Liverpool  
**PHOSPHATE—Lime**, 500 bags, 242,000 lbs., to order, Ala, Antwerp  
**POTASH**—199 casks, 156,147 lbs., Kuttroff, Pickhardt & Co., Kiel, Hamburg; **Carbonate of**, 80 casks, 94,534 lbs., William H. Masson, Kiel, Hamburg; 50 casks, 58,524 lbs., Innis, Speiden & Co., Inc., New York; Kiel, Hamburg; **Manure Salt**, 20%, 573,815 lbs., N. V. Potash Export My., Kiel, Hamburg; 30%, 2,992,000 lbs., W. G. N. Rukert, Kiel, Hamburg; **Muriate of**, 2,000 bags, 401,896 lbs., N. V. Potash Export My., Kiel Hamburg; 9,000 bags, 1,808,532 lbs., W. G. N. Rukert, Kiel, Hamburg  
**QUEBRACHO**—3141 bags, 335,925 lbs., Tannin Corporation, West Imboden, Buenos Aires

### IMPORTS AT NEW ORLEANS Aug 12 to 19

**BENZENE**—7747 tons, N. O. Refining Co., Curacao  
**BAUXITE**—2477 tons, Republic Mining Co., Paramaribo; 2380 tons, Republic Mining Co., Georgetown  
**BONE FLOUR**—1605 bags, order, Antwerp  
**CEMENT**—12,000 bags, order, Havre  
**CHEMICALS**—20 casks, order, Hamburg  
**FLOURSPAR**—2224 tons, Aluminum Ore Co., Durban  
**KAINIT**—5200 bags, order, Bremen  
**MINERAL WATER**—200 cases, order, Havre  
**MOLASSES**—1,250,000 gals., order, Jucaro  
**NAPHTHALENE**—2,000 sacks, order, Havre  
**OIL—Shark**, 131 cases, order, Progresso  
**POTASH—Caustic**, 102 drums, order, Antwerp

### IMPORTS AT NORFOLK August 11 to 18

**STARCH—Potato**, 250 bags, order, Rotterdam  
**HOOF MEAL**—798 bags, 100,528 lbs., Swift de La Plata, Rosario, Argentina; 692 bags, Swift de La Plata, Buenos Aires  
**QUEBRACHO—Extract**, 3553 bags, International Products Corp., Buenos Aires; 3741 bags, The Tannin Corp., Buenos Aires  
**POTASH SALTS—Sylvinit**, 12,44%, 91,000 kilos, N. V. Potash Export, Maatchappy, Antwerp; 14%, 618,600 kilos, N. V. Potash Export, Maatchappy, Antwerp; **Manure Salt**, 20%, 3,154,000 kilos, N. V. Potash Export, Maatchappy, Antwerp; 30%, 1,643,200 kilos, N. V. Potash Export, Maatchappy, Antwerp; **Muriate**, 317,520 kilos, N. V. Potash Export, Maatchappy, Antwerp; **Sulphate**, 72,576 kilos, N. V. Potash Export, Maatchappy, Antwerp

### IMPORTS AT SAN FRANCISCO July 30 to Aug 6

**COPRA**—4240 bags, Atkins, Kroll & Co., Manila; 300 tons, Pacific Oil & Lead Works Cebu; 20 tons, Babcock & Templeton, Cebu  
**COPRA MEAL**—4000 bags, Pacific Commercial Co., Manila  
**IRON—Oxide**, 20 casks, J. A. McNulty, Manchester  
**KAPOC**—48 bales, W. R. Grace & Co., Sourabaya; 50 bales, Burns, Philip & Co., Semarang  
**OIL—Codliver**, 100 drums, Wilbur Ellis Co., Kobe  
**SEED—Grape**, 100 bags, Order, Manchester; **Hemp**, 334 bags, Balfour, Guthrie & Co., Darien; **Rape**, 187 bags, Pacific Trading Co., Daien; **Sunflower**, 300 bags, Hongkong & Shanghai Banking Corp. Daien.  
**WAX—Paraffine**, 2400 bags, Shell Company Balikpapan

Palestine's caustic soda imports increased to 1293 short tons in 1926 from 1218 tons in 1925. The origin of imports in the order of importance was the United Kingdom, Belgium, and Syria. Other chemical manufacturers, principally from Germany, United Kingdom, and France also decreased in 1926. from 2,850 tons as compared with 3,037 short tons in 1925 according to Consul Oscar S. Heizar, Jerusalem.



**I. G. SHARES LISTED***(Special to CHEMICAL MARKETS)*

Washington, D. C., Aug. 17—

Following the recent publication of its balance sheet, the greater part of the new 258,400,000 marks common shares of I. G. Farbenindustrie issued at the time of the capital increase to 1,100,000,000 marks on Sept. 1, 1926, has been admitted to trading on the Berlin Stock Exchange, according to advices from Trade Commissioner William T. Daugherty, Berlin. I. G. issued three series of shares to cover its capital increase from 646,000,000 marks common and 4,400,000 marks preferred. They were, first, 258,400,000 marks new common; second, 160,000,000 marks new 6 per cent preferred series A; and third, 35,600,000 marks 3½ per cent series B with ten-fold vote rights.

Common shares now admitted to the Berlin Bourse amount to 211,080,000 marks, of which 18,333,200 marks pay dividends from Jan. 1, 1926 (Koeln-Rottweil fusion), and 192,746,800 marks pay dividends from Jan. 1, 1927. I. G. made application to the Berlin Bourse for admission of these shares last February, but the Bourse directors reserved permission until after the I. G. balance sheet was published. The remaining 47,320,000 marks shares included in the total 258,400,000 marks issue remains in reserve for further transactions.

The new issues are reported intended to finance increasing sales and building extensions incident to the acquisition of new properties, as well as improvements of old, such as the Leunawerke, where new calcium nitrate and "Nitrophoska" units have been erected; also the mammoth "oil from coal" plant. Improvements in progress at the I. G.'s two air fixation plants at Leuna and Oppau will increase fixed nitrogen production capacity to 500,000 tons primary nitrogen annually.

Production of glues of animal origin during the second quarter (April-June) of 1927 aggregated 24,180,000 pounds, of which amount 15,102,000 pounds was contributed by hide glue, 2,316,300 pounds by extracted bone glue, and 6,761,700 pounds by other bone glue. Compared with a total production of 28,040,400 pounds in the first quarter of 1927 and 24,289,400 pounds in the second quarter of 1926, decreases of 13.8 per cent and one-half of 1 per cent, respectively, are shown. Stocks on hand at the end of the second quarter of 1927 amounted to 25,826,500 pounds of hide glue and 10,297,900 pounds of bone glue, a total of 36,124,400 pounds.

**NEW COKE PLANTS**

Koppers Co. has started construction work on three new by-product coke plants. Building of 45 Becker type ovens has been started for the Hamilton Coke & Iron Co. at Hamilton, O. This company is jointly owned by Koppers Co. and American Rolling Mill Co. It recently was formed to purchase and operate a blast furnace which eventually will supply molten iron to American Rolling Mill plant at Middletown over an eight mile railroad which will be built. The coke plant will consume 400,000 tons of coal annually. Output of gas will be furnished solely to the Columbia Gas Supply Co., a subsidiary of Columbia Gas & Electric Co. Plant will be in operation by April 1, 1928.

Work has also been started on the New Haven and Montreal plants which are being built for Koppers Coke & Gas Co., a subsidiary, which will operate the plants and sell output of gas to local utilities.

Newly developed type of continuous vertical coke oven plant built by Koppers at Sterling, Ill., for the Northern Illinois Utility Co. has been in operation for two months and has proved itself the most efficient installation of this type.

**EXPANDING RAYON PLANT**

American Bemberg Corp., which is building a \$3,000,000 plant plans several more units of similar capacity. Financing for the project is being effected by a doubling of common stock capitalization from 140,000 no par shares authorized and outstanding to 280,000 shares. The remaining item of capitalization consists of 35,000 authorized and shares of 7% cumulative \$100 par preferred stock. Even though the first plant of the company is duplicated, no exact measure of increased output can be drawn, because of the complicated process involved in rayon production, but it is roughly estimated by interests qualified to speak authoritatively on the situation that, with all construction concluded on the five plants under consideration, Bemberg will produce approximately 13,000,000 lbs. annually.

Rayon stocks on hand are being steadily lowered, with the total in July 1 of the current year at 1,404,946 lbs., compared with 2,016,042 lbs. on Jan. 1, 1927, although rayon waste stocks were 940,549 lbs., against 651,209 lbs. at the same dates, respectively, last year. Earlier in the present year, however, rayon waste stocks were lower than at present.

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U. S. P.****Tartaric Acid  
U. S. P.**

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1150 Broadway, New York.

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# Patents

Latest Issues Covering  
Chemical Products and  
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## TO SECURE COPIES OF PATENTS

U. S., 10c U. S. Patent Office, Washington. British, draft on London, one shilling, British Patent Office, 25 Southampton Bldgs., Chancery Lane, W. C. 2, London. French, one franc, Minister of Commerce & Industry, Paris. German, draft on Berlin, one mark, German Patent Office, Berlin.  
Application date appears with each patent.

### UNITED STATES PATENTS Issued August 9, 1927

1,638,014.—Alkylcarbonates, from phosphogene and aliphatic alcohol. H. G. Mitchell, Baltimore, assignor, U. S. Industrial Alcohol Co. July 14, 1924.  
1,638,021-2.—Demulsifying Hydrocarbons by means of crystalline aromatic hydrocarbon and nitrobenzene, or naphthalene and nitrate aromatic hydrocarbon. A. B.

Way, Lynn, Mass., assignor, L. A. Way, Pittsburgh. Mar. 19, 1924.

1,638,045.—Nitrobenzene from mixture of sulphuric acid, nitrobenzene and benzene by addition of sulphuric acid, benzene and sodium nitrate. J. W. Livingston, Hamburg and L. P. Kyrides, Buffalo. Nov. 27, 1922.

1,638,057.—Recovering Vanadium from Petroleum Hydrocarbons by burning off the latter and collecting vanadium compounds in absorptive medium. A. Oberle, Kansas City, Mo., assignor, one half, T. E. Scofield, Sept. 8, 1925.

1,638,061.—Dry Distillation of Soda Cellulose Waste Liquor by alkalization with lime hydrate and distilling. E. L. Rinnan, Djursholm, Sweden. June 6, 1923.

1,638,070.—Preventing Adhesion of Charge During Activation of Carbon, using compressed molded charges. H. Thienemann, Leverkusen, assignor, I. G. Farbenindustrie A. G., Frankfurt, Germany. Nov. 7, 1925.

1,638,089.—Fungicide composition. R. B. Derr, Flushing, N. Y., assignor, General Chemical Co., New York. Mar. 14, 1925.

1,638,093.—Cracking Oil, process and apparatus. G. Egloff, Independence, Kans. assignor, Universal Oil Products Co., Chicago. Dec. 20, 1920.

1,638,108-9.—Imitation Marble and like A. Barnes-Thomas, Dresden, assignor, Marble Products Ltd., London. June 3, 1924.

1,638,112-3.—Treating and Cracking Hydrocarbons, in continuous process. C. P. Dubbs, Wilmette, Ill., assignor, Universal Oil Products Co., Chicago. Sept. 29, 1919 and Feb. 17, 1921.

1,638,115-6.—Cracking Oil in restricted flow. G. Egloff, Chicago, assignor, Universal Oil Products Co. Dec. 13 and 23, 1920.

1,638,119.—Chemical Mixing and Feeding Apparatus. W. H. Green, assignor, General Zeolite Co., Chicago. Oct. 24, 1923.  
1,638,121.—Ice Color on Cotton with non-acid diazocolors. K. Jellinck and W. H. Christ, Offenbach, assignors, I. G. Farbenindustrie A. G., Frankfurt, Germany. Jan. 15, 1924.

1,638,201.—Continuous Battery Oil Filter. H. A. Hills, Grand Rapids. Apr. 26, 1922.  
1,638,217.—Oil Shale Retort. E. B. Roth, St. Louis. Dec. 19, 1924.

1,638,220.—Polyaldehyde Derivative of Aldehyde Amine Reaction Product as vulcanization accelerator. W. Scott, Akron, assignor, E. I. duPont de Nemours & Co., Wilmington. Dec. 19, 1922.

1,638,272.—Antimisting Preparation for Glass. C. H. Ohlweiler, assignor, American Optical Co., Southbridge, Mass. Feb. 14, 1924.

1,638,335.—Cracking Oil in thin moving filming in presence of gas obtained in process. F. M. Hess, Whiting, Ind. Jan. 24, 1923.

1,638,373.—Boiler Scale Removing Compound. W. F. Stafford, Hornersville, Mo. July 20, 1926.

1,638,421.—Rubber Composition. R. H. Uhlinger, Mt. Lebanon, Pa., assignor, Thermatomic Carbon Co., Pittsburgh. Aug. 8, 1925.

1,638,440.—Wood Preservative of super-emulsified type. A. M. Howald, Pittsburgh, assignor, The Grasselli Chemical Co., Cleveland. Jan. 23, 1924.

1,638,492.—Anhydrous Sodium Sulphite from sodium carbonate and sulphur dioxide. N. A. Laury, Rockville Center, N. Y. Aug. 16, 1923.

1,638,522.—Ammonia from Calcium Cyanide. G. H. Buchanan, Westfield and J. L. Osborn, Elizabeth, N. J., assignors, American Cyanamid Co., New York. Dec. 18, 1923.

1,638,530.—Removing Oil from Oil-Bearing Material by pressure filtration through

porous septums. W. Hoskins, Chicago. Mar. 1, 1922.

1,638,535.—Rubber-Sulphur Plastic. A. B. Kemp, East Orange, N. J., assignor Western Electric Co., New York. July 12, 1924.

1,638,579.—Coating Composition. C. D. Hocker, East Orange, N. J., assignor, Western Electric Co., New York. Dec. 13, 1923.

1,638,643-4.—Hydrous Alumino Silicate for treating oils. H. Schlosstein, Chicago. Feb. 25, and April 21, 1927.

1,638,700.—Fish Oil Product. D. Molofsky, Vineland, N. J., assignor, Silmo Chemical Co., Oct. 23, 1926.

1,638,700.—Acid Resisting Compound of paint type. N. H. Schneider, Salinas, Calif. Apr. 20, 1925.

1,638,710-1.—Non Corrosive Solution, containing alkali metal salt. M. R. Sherbing, assignor, Hydraulic Brake Co., Detroit. Mar. 19, 1926.

1,638,713.—Vinyl Esters from acetylene and carboxylic acid. F. W. Skirrow and O. W. Herzberg, Shawinigan Falls, Quebec, Canada, assignors, Canadian Electric Products Co., Montreal. Nov. 8, 1920.

1,638,735.—Cracking Hydrocarbons. L. C. Huff, Chicago, assignor, Universal Oil Products Co. Nov. 18, 1925.

### BRITISH PATENTS Issued July 13, 1927

271,130.—Column Stills for Hydrocarbons. E. Chur, Colonge, Germany. Jan. 22, 1926.

271,146.—Arylamides of 2,3-Oxynaphthoic Acid. British Synthetic Ltd., and E. B. Higgins, London. Feb. 17, 1926.

271,149.—Separating Water Paint for producing designs in surfaces. C. J. Millar, Glasgow, Scotland. Feb. 18, 1926.

271,169.—Monoethers of Glycols and Derivatives. I. G. Farbenindustrie A. G., Frankfurt, Germany. Feb. 22, 1926.

271,177.—Bituminous Emulsions. Mineral A. G. Brig, Switzerland. Feb. 24, 1926.

271,181.—Halogenated Indanthrones. British Dyestuffs Corp., W. D. Rogers, W. V. Stubbings and F. Emerson, Manchester. Mar. 1, 1926.

271,203.—Silicate Composition for Preserving Stone. W. Anderson, Edinburgh. March 17, 1926.

271,221.—Artificial Horn Composition. British Glues and Chemicals Ltd., London, R. Duncliff Purley and H. J. Cotes, Sutton, Surrey. Apr. 13, 1926.

271,236.—Stabilizing Hydrocyanic Acid by use of absorbant. Deutsche Gold und Silberscheideanstalt vorm. Roessler and F. Kirschbaum, Frankfurt. May 5, 1926.

271,254.—Fatty Acids by Fermentation. H. Langwell, Epsom, Surrey, E. Ricard Deux-Sevres, France and W. A. Burton, London. Nov. 26, 1925.

271,264.—Urea Formaldehyde Condensation Products. F. E. K. Steppes and H. O. Traun, Hamburg, Germany. June 22, 1926.

271,265.—Paint Can. J. C. and C. Eckhart, Fuerth, Germany. June 24, 1926.

271,306.—Fibrous Plastic Compositions for dental purposes. A. Poller Vienna, and De Trey Bros., Ltd., Zurich. Sept. 6, 1926.

271,316.—Synthetic Aquamarines from glucinum oxide containing mixture. J. F. Riera, Barcelona. Oct. 4, 1926.

271,329.—Coagulating Emulating Latex. S. S. Yates, Englewood, N. J. Oct. 30, 1926.

271,336.—Alcohol by Fermentation in presence of alkali phosphates and hydrocyanic acid. J. P. H. Jansen, Schiedam, Holland. Nov. 10, 1925.

271,410.—Sacharifying Cellulose. Soc. des Brevets Etrangers Lefranc et Cie Paris. Feb. 11, 1927.

271,440.—Caustic Soda from fluoride with alkaline earth hydroxide. M. Buchner, Hanover assignor, A. F. Meyerhofer, Zurich. May 3, 1927.

271,451-2.—Cracking Oils in presence of hydrogen. I. G. Farbenindustrie A. G., Frankfurt. May 9, 1927.

271,474.—Wetting and Emulsifying Agents of sulphonated type. I. G. Farbenindustrie A. G. May 17, 1927.

271,475.—Photographic Emulsions. I. G. Farbenindustrie A. G. May 17, 1927.

271,480.—Fungicides of colloidal type. I. G. Farbenindustrie A. G. May 18, 1927.

271,482.—Ammonia Synthesis with iron carbide as catalyst. K. Mueller, Berlin.

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271,483.—Hydrogen and Carbon. R. Battig, Sodingen, Westphalia. May 18, 1927. and 271,491.

#### GERMAN PATENTS

Issued July 14, 1927

444,062.—Washing Out Solid Centrifuged Material. Dr. F. Sander, Griesheim, and I. G. Farbenindustrie A. G., Frankfurt. Mar. 31, 1925.

444,046.—Gaillard Concentrating Tower, with lava lining. Rhenania-Kunheim e.V. ein Chemischer Fabriken A. G., Berlin. June 11, 1925.

444,013.—Removing Heavy Tars from Tar-Containing Ammonia Liquors, apparatus. Dr. C. Otto & Co., G.m.b.H., Bochum, Germany. July 3, 1926.

444,047.—Liquor Preheater, on heat interchange principle. Maschinenbau A. G., Balcke, Bochum, Westphalia. Apr. 25, 1925.

444,048.—Dry Sodium Sulphate from Glauber Salt. Fellner & Ziegler A. G., and Dr. B. Young, Frankfurt. Aug. 29, 1923.

444,014.—Thiuramidisulphides by oxidizing dithiocarbamid acids. Silesia, Verein Chemischer Fabriken, Ida and Marienhütte b. Saarau, Germany. Oct. 20, 1925.

443,960.—Separating Tallow Oil into constituents. R. Roll, Berlin. June 17, 1923.

422,972.—Light Sensitive Films with Diazo Compounds. Kalle & Co., A. G., Biebrich, Germany. May 20, 1924.

#### ISSUED JULY 7, 1927

443,740.—Evaporator with Horizontal Tubes. E. Schlegel, Dresden. June 15, 1924.

443,741.—Stabilizing Liquid Hydrocyanic Acid with metals, metallic alloys or metallic compounds, capable of combining with basic nitrogen compounds. Deutsche Gold und Silberanstalt vorm. Roessler, Frankfurt. July 3, 1925.

443,853.—Red Lead by roasting lead or lead carbonate. E. Barthelmeß, Duesseldorf-Oberkassel, Germany. Mar. 20, 1923.

443,788.—Recovering Solvents. Deutsche Gasgluehlicht Auer Gesellschaft m.b. H., Berlin. March 29, 1923.

#### FRENCH PATENTS

Issued June 23, 1927.

627,335.—Stabilizing Tints in Glass. Manufacture de Glaces et Produits Chimiques de St. Gobain, Chaucy et Ciry. Jan. 10, 1927.

627,299.—Potassium Sulphate and Ammonium Chloride, in simultaneous production. S. Lamm. Jan. 8, 1927.

627,303.—Urea, process. J. M. A. Stilleßen and F. J. Delany. Jan. 8, 1927.

627,313.—Phosphorus and its compounds process. I. G. Farbenindustrie A. G., Jan. 10, 1927.

627,334.—Aluminum Sulphate, process and apparatus. L. G. Patrouilleau and Societe Anonyme Alumnie et Derives. Jan. 10, 1927.

627,400.—Iodine in finely pulverized state. W. L. Chandler. Nov. 9, 1926.

627,457.—Copper Sulphate, process. Huttenwerke Tempelhof A. Meyer. Jan. 11, 1927.

627,286.—Enameled products. L. F. Maury. Jan. 8, 1927.

627,320.—Lacquer, Lakes, Paints and Viscous Oil Colors, filis, process and apparatus. A. Pahl. Jan. 10, 1927.

627,427.—Treating Cellulose Derivatives, improvement in. H. Dreyfus. Dec. 27, 1927.

627,437.—Sizes and Coatings—Resistant to water, for leather, paper, wood, textiles, etc. A. Jeremias. Dec. 27, 1927.

627,300.—Oil from Oleaginous Substances, apparatus for obtaining. F. Krupp Grusonwerk A. G. Jan. 8, 1927.

627,406.—Centrifugal Machines, improvement in operation of. F. Grimbale, M. M. Caird and E. Coombs. Dec. 8, 1926.

627,336.—Tanning Agents, process. I. G. Farbenindustrie A. G. Jan. 10, 1927.

#### ISSUED JUNE 16, 1927

627,003.—Granular Calcium Nitrate. Norsk Hydro Elektrisk Kvaestoffabrikjeselskab. Dec. 31, 1926.

627,019.—Diamino-benzoyl-o-benzoic Acids. The Newport Co., Dec. 31, 1926.

627,091.—Sodium Aluminate. Aluminum Co. of America. Jan. 5, 1927.

627,216.—Sulphuric Acid. Metallbank and Metallurgische Ges. A. G. Oct. 28, 1926.

626,996.—Fusible Enamel, Glass etc. Coatings. A. Pahl. Dec. 31, 1926.

627,009.—Chrome Colors of Triarylmethane Series. I. G. Farbenindustrie A. G. Dec. 31, 1926.

627,037.—Separately Storing Bronze Powders with varnish vehicle. Standard Bronzefarben Werke C. Eckart.

627,066-7.—Silico-fluoborate Enamels.—To-to-Gibarn. Jan. 4, 1927.

627,115.—Red Lead. A. Franke. Jan. 5, 1927.

627,168.—Pigment Dyes. I. G. Farbenindustrie A. G. Jan. 7, 1927.

626,986.—Petroleum Derivatives. Petroleum Chemical Co., April 7, 1926.

627,010.—Treating Oleaginous Seeds. G. 271,023.—Halogenated 1:4-Diaminoan-

627,017.—Cracking Oils. O. Kay Dec. 31, 1926.

626,966.—Continuous Filtration of Liquid Containing Solids or Liquids in suspension, emulsions or solution. Societe Alsacienne de Constructions Mecaniques a Mulhouse. April 2, 1926.

626,983.—Activated Carbon. Societe Anonyme des Engrais et Noir Animals. April 7, 1926.

626,995.—Filter Screen. A. Pahl. Dec. 31, 1926.

627,042.—Platinum Catalysts. T. Von Artner. Jan. 3, 1927.

### NO METHANOL DIVIDEND

Holzverkohlungsindustrie A. G., of Constance, which with Verein fuer Chemische Industrie, Frankfurt on Main, controls local production of wood distillation methanol, declines to pay dividends on 1926-27 business. Although it showed a clear profit of marks 736,000, which with marks 524,000 clear profits on 1925-26 operations, also without dividend, the sum of marks 1,260,000 is assigned to cover special amortizations.

Considerable interest attaches to the progress of Holzverkohlungsindustrie against competition with the German Dye Trust, producing synthetic methanol. The stock exchange quotation of Holzverkohlung has been somewhat alarming to shareholders, and despite a recent rally, it has fallen again to 70 percent. Rumors persist that the two wood distillation concerns may unite their resources against I. G. competition, but no actual progress is reported from negotiations for this purpose.

Application has been filed with the Custom Bureau, Treasury Department, alleging the dumping of phosphate on the American market from Morocco. An investigation will be made.

### PARAFFINE ELECTION

Stockholders of Paraffine Companies, Inc. held the annual meeting at San Francisco Aug. 11. Executive vice-president R. S. Shainwald reported that the earnings of \$2,183,508 were the best in the history of the organization, showing a gain over those of the previous year of about 11 per cent. During the year the concern changed its financial structure materially, having retired its preferred stock and called all but \$615,000 in first mortgage bonds.

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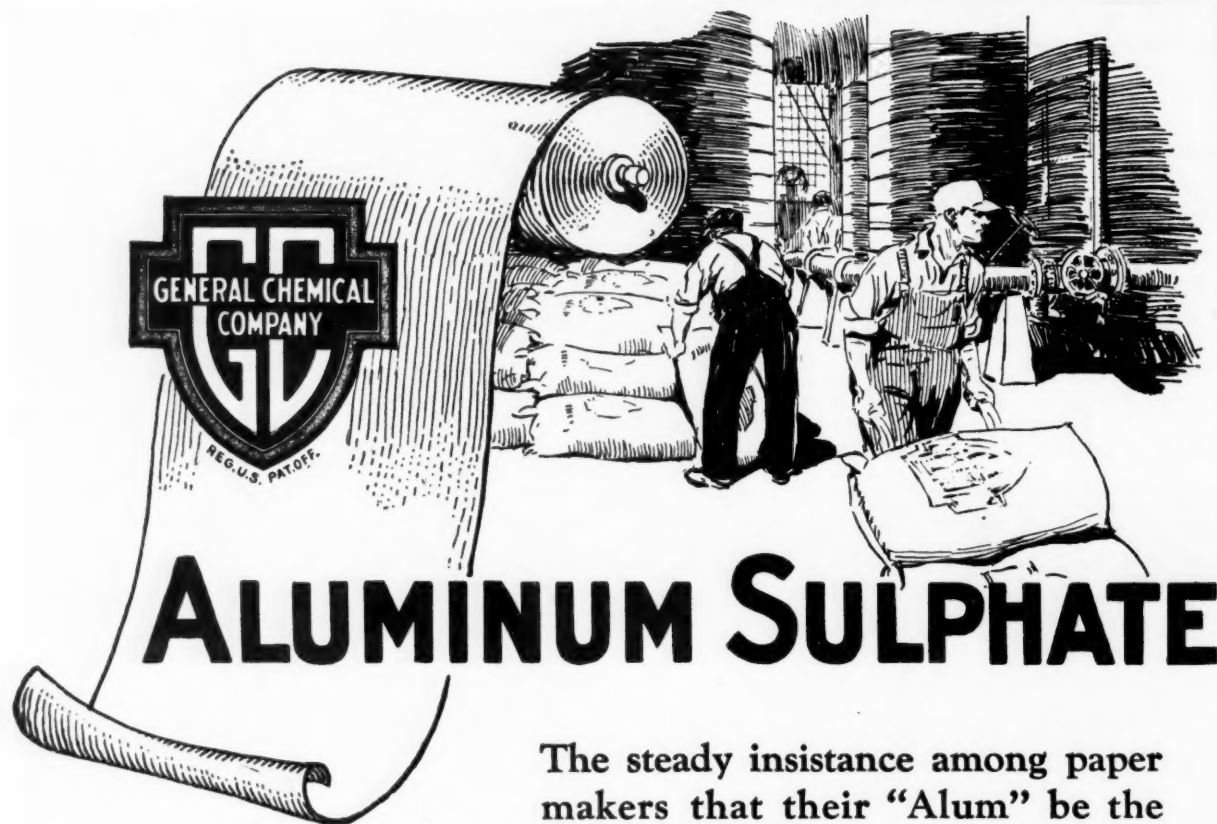
He strolls out into the plant with the foreman whose overalls dyed with Indigo (synthetically made with Metallic Sodium, Sodium Cyanide and Formaldehyde) attire him properly for his work; the pearl buttons thereon in keeping with the quality of the overalls probably were bleached with R & H 100 Vol. Hydrogen Peroxide. Other plant workers are equipped with rubber gloves which were manufactured presumably with the aid of R & H Accelerators and Rubber Chemicals.

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